adani

Ref. No: AIAL/ESG/HYCR/202

31 May 2025

To
The Dy. Director General
Ministry of Environment, Forest and Climate Change
Integrated Regional Office - Gandhi Nagar
A Wing-407 8- 409, Aranya Bhavan, Near CH3 Circle
Setor-10A, Gandhi Nagar -382010

Subject: Half yearly Compliance reports for Environment Clearance granted vide EC letter dated 11 Nov 2022 for Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA) to Enhance the Passenger Handing Capacity to 40.33 MPPA & cargo handling capacity up to 1.0 MTPA

Monitoring Period: Oct 2024 to March 2025

EC ref No: EC22B029GJ165952

Dear Sir

Sardar Vallabhbhai Patel International (SVPI) Airport, Ahmedabad was granted. Environmental Clearance (EC) vide letter no. EC22B029GJ165952 dated 11 Nov 2022 for Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA) to Enhance the Passenger Handing Capacity to 40.33 MPPA & cargo handling capacity up to 1.0 MTPA

With reference to the above Ahmedabad International Airport Limited hereby submit the condition-wise compliance report to Environmental Clearance mentioned for the period of Oct 2024 to March 2025 through soft copy (e-mail communication) as well as on Parivesh portal update.

Request for your kind consideration and acknowledgement.

Yours Sincerely,
For, Ahmedabad International Airport Limited

Nirav Shah

Ahmedabad International Airport Limited ★ Ahmedabad

Nirav Shah
Chief Airport Officer

Ahmedabad International Airport Limited
(Formerly Known as Adani Ahmedabad International Airport Limited)
Terminal-1 Building, 1st Floor
Sardar Vallabhbhai Patel International Airport
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Email Copy to:

1. The Director (IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jar Bagh Road, New Delhi-110003
2. Zonal Officer, Regional Office, CPCB - Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390 023
3. Member Secretary, GPCB, Paryavaran Bhavan, Sector 10 A, Gandhi Nagar - 382 010
4. Regional Officer (Ahmedabad) - Gujarat Pollution Control Board Old Building, Sector 10-A, Gandhinagar - 302010
5. The Chief Conservator of Forests, MoEF Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No.3, Ravishankar Nagar, Bhopal -462016, MP

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Half Yearly Compliance Report

Sardar Vallabhbhai Patel International Airport
Ahmedabad

By:

adani

Ahmedabad International Airport Ltd

EC granted for Master Plan Development
Vide EC Dated 11/11/2022

Compliance Period:
Oct 2024 to March 2025

Ahmedabad International Airport Limited, Ahmedabad has been granted Environmental Clearance vide EC no. EC22B029GJ165952, dated 11 Nov 2022 for Proposed Expansion of Ahmedabad International Airport Limited to enhance the Passenger Handling Capacity up to 40.33 MPPA & Cargo Handling Capacity up to 1.0 MTPA.

Components	Units	Quantity
Passenger handling	MPPA	40.33
Cargo handling	MTPA	1.0

Comprehensive Compliance Report of Environmental Clearance

Duration of Compliance Report	Oct 2024 To March 2025

1. EC Identification No.	EC22B029GJ165952
2. File No.	SIA/GJ/134807/2022
3. Project Type	Expansion
4. Category	B1
5. Project/Activity including Schedule No	7(a) Airports
6. Name of Project	Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA) to Enhance the Passenger Handing Capacity to 40.33 MPPA & cargo handling capacity up to 1.0 MTPA.
7. Name of Company/Organization	Ahmedabad International Airport Limited
8. Location of Project	Gujarat

Particulars
No.SEIAA/GUJ/EC/7(a) 2694/2022
Date of EC granted on 11/11/2022
Environment Clearance for the Proposed Capacity Expansion of Sardar Vallabhbhai Patel international Airport (SVPIA) to Enhance the Passenger Handing Capacity to 40.33 MPPA & cargo handling capacity up to 1.0 MTPA., Hansol, Asarva, Naroda, Kotarpur, Sejpur bodha Sardarnagar, Ahmedabad by M/s Ahmedabad International Airport Limited. Construction project in Category 7(a) of Schedule annexed with EIA Notification dated 14/09/2006.
Proposal No.SIA/GJ/MIS/181117/2022.

Upgradation work: During Compliance period, for the passenger convenience and safety compliance consideration, required upgradation related work has been carried out. Terminal 2 refurbishment (BUA 8000 sq. mt.) T2 forecourt area (BUA 37875 sq. mt.) T2 AOCC Block (BUA 560 sq. mt.) T1 substation (BUA 750 sq. mt.) STP refurbishment phase 1 (BUA 626 sq. mt.), Integrated Crago Terminal (BUA 19779 sq. mt.), Fuel farm (BUA 26778 sq. mt.

CONDITION WISE COMPLIANCE

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
1	Proponent shall provide for lift, occupational health facility, life saving devices, automated external defibrillator (AED) and portable oxygen steady supply equipment's, operation working safety of the workers, bird hit prevention measures etc.	**Agreed to comply.** Lifts/ escalators are available at all required locations in the existing terminal operational areas. The Medical Examination Room is available at the terminal with important facilities like life saving devices, AED, portable oxygen steady supply equipment etc. Please see the **annexure A.1.1** Various bird hit prevention systems are provided at the site. various bird hit prevention actions as **annexure A.1.2** All these facilities and systems will be suitably upgraded, modified, and maintained as the master plan project progresses.
2	Rainwater harvesting tanks with numbers and dimension shall be provided.	**Agreed to comply** For existing airport operations, 35 rainwaters harvesting recharge pits are provided and maintained. Same will be upgraded and updated as a part of master plan.
3	Proponent shall provide Continues Ambient Air Quality Monitoring Devises (AAQM).	**Agreed to comply.** Continuous Ambient Air Quality Monitoring (AAQM) equipment has been installed at the site. Photograph for the same already has been submitted as part of six-monthly compliance report (Apr'24 to Sep'24) vide letter no. AIAL/ESG/MOEFCC/121 dated 28th Nov 2024.
4	Project Proponent have to submit detailed Traffic Management and decongestion reports.	**Agreed to comply** Traffic study and management plan has been submitted as part of environmental impact assessment study based on which EC has been granted dated 11 Nov 2022.
5	Proponent shall submit the details of users/visitor's arrival maximum and minimum and submit the plan of safety health & Environment, risk assessment and hazard identification measures etc. in 6 months' time integrated IRO.MOEF&CC and SEIAA and make a presentation for field check etc.	**Agreed to comply** The report has been prepared and submitted to GPCB & IRO-MOEFCC vide letter dated 8th Dec 2022. Copy of the letter given as **Annexure A5**
6	The treated wastewater discharge into AMC drainage line shall not exceed 89.04 KLD. Necessary permission from AMC shall be obtained for discharging of same in the drainage line. The treated water to be discharge should meet all standard limits prescribed as per the norms of GPCB/CPCB and competent	**Agreed to comply.** During compliance period, For better control of sewage wastewater management, we have constructed a new STP MBR (membrane bio reactor technology) with a capacity of 700 KLD. from 22 March 2025, we started

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	authority shall display and inform to local bodies.	commissioning and taking sewage water in to the system. The details of the new 700 KLD STP are attached as **an annexure A.6**. Simultaneously, we have stop using the existing 500 KLD MMBR based STP for upgradation to 700 KLD MBR based STP. The generated treated wastewater was utilized and after development of 700 KLD STP is being used for horticulture, HVAC and flushing purposes.
7	Project Proponent shall submit CER plan to respective Collectors, DDO and Municipal Commissioner/Urban Development Authority and implement of CER activities under intimation and guidance of the respective authorities.	**Agreed to comply** During compliance period, under CER, we have planted 2600 trees near Nana chiloda, AMC Plot.
8	PP shall take all necessary steps for fire and life safety measures for fall protection, ladders and stairs, scaffolds, trenching and excavation, electrical safety, cranes, occupational noise exposure, welding and cutting etc.	**Agreed to comply** Detailed project safety risk assessment is being implemented at site. During construction and other project activities, fall protection, ladders, stairs, scaffolds, trances, electrical safety implementations, crane safety and welding and cutting safety are considered in detailed HIRA report. This will be a dynamic document and updated as and when activity starts. Adequate fire and safety arrangements has been provided as per local bylaws. Adequate noise control measures have been provided at the site such as, • Acoustic enclosures provided to DG Sets • Vehicle speed maintenance • All major noise generating construction activities will be carried out within the approved time frame as per norms. • Timely maintenance of all the equipment, machinery and vehicles used at the site. Photographs of the same are given as **Annexure A8** Good practices Environment, health and safety
9	The total parking area approved in EC should be earmarked with number of flats and allotment must be handed over to the maintenance of society when transferred with necessary notarized undertaking abide by all conditions of EC	**Not Applicable** This is an airport infrastructure development project, and no residential activities are expected.

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	including disposal of waste, ventilation, lighting in basement area adequately	For waste management, AIAL practicing waste collection from all terminals, internal transport to waste management facility, segregation in yard, recycling of sorted waste and moving towards our organization goal of ***Zero Waste to Landfill.*** Segregated biodegradable waste is treated in organic waste converter which produces manure, used for gardening purposes. In current operations, proper ventilation and lighting is provided at all terminals and utilities area with AHU and other ventilations provision and same will be practiced during master plan work progress. Further in line with the master plan EC, AIAL ensure that, waste recovery facility is operated in line with our vision for Zero Waste to Landfill. • ZWL Audit was done during 20-21 Feb 2025.
10	Where construction activity is likely to cause noise nuisance to nearby residents, restrict operation hours between 7 AM to 6 PM	**Agreed to comply** Adequate noise control measures have been provided at the site such as, • Acoustic enclosures provided to DG Sets • Vehicle speed maintenance • All major noise generating construction activities will be carried out within the approved time frame as per norms. • Timely maintenance of all the equipment, machinery and vehicles used at the site. Photographs of the same are given in **Annexure A.8.**- Good practice for Environment, health and safety Further, same will be suitably continued in line to the master plan development. Regular noise monitoring will be conducted to monitor noise generation due to construction activities.
11	Hazard identification and Risk Assessment for the project shall be carried out and adequate mitigation measures shall be adopted to ensure that all safety issues are addressed, the documentation shall be reviewed	**Agreed to comply** For present operations, detailed HIRA is in place and the same will be suitably updated for further implementation as and when

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	periodically and shall be submitted to the regional office along with six-monthly compliance report	commencement of master plan project related activities.
12	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out be the project or other agencies in this 05 Km radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the state Urban Development Department and the P.W.D./competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments	**Agreed to comply** Traffic study and management plan has been submitted as part of environmental impact assessment study based on which EC has been granted dated 11 Nov 2022.
13	Solar power generation capacity of 3 MW shall be established as Proposed	**Agreed to comply** For the existing operations of the airport 1.4MW solar power generation facility is available. The photograph of the solar panel is attached as an **annexure A.13**
14	53 nos of rainwater recharge pits shall be provided as proposed. Rainwater harvesting structures shall conform to CGWA designs. Before recharging the surface, run off, pre-treatment must be done to remove suspended matter, oil and grease	**Agreed to comply** As a part of Rainwater harvesting structures 35 numbers of recharge pits have been provided. Further the same will be developed in line with master plan development and CGWA design norms
15	A certificate from the competent authority/ agency handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to M.S W generated from project	**Agreed to comply** For waste management, AIAL practicing waste collection from all terminals, internal transport to waste management facility, segregation in yard, recycling of sorted waste and moving towards our organization goal of ***Zero Waste to Landfill*** Segregated biodegradable waste is treated in an organic waste converter which produces manure, used for gardening purposes. The waste management practice at SVPI airport is shown in an **annexure A.15**

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
16	Fresh water requirement from local authority shall not exceed 9.5 MLD during final operational phase as committed, no ground water abstraction shall be done during construction as well as operation phase of the project.	**Agreed to comply** Fresh water demand for present airport operations is sourced from Ahmedabad Municipal Corporation (AMC) and ground water. The same sources will be continued in future along with treated recycled water from STP. Required approvals from the concerned authorities will be obtained.
17	The wastewater generation shall be 5.20 MLD	**Agreed to comply**
18	As proposed, wastewater shall be treated in onsite STP 5.5 MILD capacity. Treated water from the STP shall be recycled and re-used for Landscaping or other purposes. There shall be no discharge of treated water from the project as proposed.	**Agreed to comply** During compliance period, For better control of sewage wastewater management, we have constructed a new STP MBR (membrane bio reactor technology) with a capacity of 700 KLD. from 22 March 2025, we started commissioning and taking sewage water in to the system. The details of the new 700 KLD STP are attached as **an annexure A.6**. Simultaneously, we have stop using the existing 500 KLD MMBR based STP for upgradation to 700 KLD MBR based STP. The generated treated wastewater was utilized and after development of 700 KLD STP is being used for horticulture, HVAC and flushing purposes.
19	The project Proponents would commission a third party study on their implementation of conditions related to the quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of a water being supplied for flushing (specially the bacterial counts), comparative bacteriological studies from toilet seats using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spay faucets attached to toilets	**Agreed to comply** Treated water will be reused for various purposes like flushing, gardening and utility. 1400 KLD integrated STP plant adequacy report is being carried out by independent third party as an **annexure A.19** Detailed study as mentioned will be carried out and frequency of monitoring will be set as per environmental monitoring plan. Water sampling for bacteriological studies will be carried out.

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
20	Area provided for **green belt** shall be 12.33 Ha (30.48 acre) in landside and 142.47 Ha (353.04 acre) in airside. plantation to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the detail provided in the project document.	**Agreed to comply** Greenbelt area will be developed in accordance with local bylaws as per airport conceptual plan.
21	PP shall explore the use of non-ozone depleting substances in air-conditioning systems	**Agreed to comply** For the existing operations, AIAL exploring ODS free ACs & same will be practiced for master plan development also.
22	Multi-Level Car park (MLCP) shall be proposed for 2000-2500 vehicles in line with the business needs	**Agreed to comply** For existing airport operations, adequate parking is provided.
23	The pp shall also provide electric charging points in the parking areas for e-vehicles as committed	**Complied** At present, AIAL have provided 8 charging stations suitable for charging cars & buses and two wheelers. Photographs of the same are given in **an Annexure A 23** EV charging stations
24	Airport shall be in line with the DGCA guideline and must have adequate fire and safety provisions	**Agreed to comply** The existing airport has a DGCA license to operate and AIAL complying to the conditions of DGCA. Adequate fire & safety provisions are provided. All such systems will be suitably upgraded in accordance with airport master plan development. Adequate fire and safety arrangements will be provided as per local bylaws.
25	The Environmental Clearance to the project is primarily under provisions of EIA Notification 2006 The Project proponent is under obligation to obtain approvals/clearances under any other Acts Regulations or Statutes as applicable to the Project	**Agreed to comply**
B	**Standard Conditions**	**Compliance /status**
B1	**Statutory compliance**	
26	The project proponent shall obtain Consent to Establish/ operate under the provisions of Air (Prevention & control of pollution) Act, 1981 and the water Prevention & control of Pollution Act,	**Agreed to comply.** Consent to establish form state pollution control board under the provisions of Air (Prevention & control of pollution) Act, 1981 and the Water Prevention & Control of Pollution

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	1974 from the concerned State Pollution Control Board / Committee.	Act, 1974 from the Gujarat State Pollution Control Board has been obtained. Copy the CTE is attached as **Annexure A.26.**
27	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority concerned in case of drawl of surface water required for the project	**Agreed to comply** Fresh water demand for present airport operation has been sourced from AMC and ground water. For master plan development fresh water will be sourced from AMC, bore and recycled water from STP. The required permission will be obtained from concerned authority.
28	Clearance from Directorate General of Civil Aviation (DGCA) and Airports Authority of India (AAI) for safety and project Facilities shall be obtained	**Agreed to comply.**
29	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.	**Agreed to comply** For existing airport operations, the electricity load certificate is available and the same will be suitably updated as per the stage wise power demand
30	All other statutory clearances such as the approvals of storage of diesel from chief controller of Explosives, Fire Department, civil Aviation and Department shall be obtained, as applicable by project proponents from the respective competent authorities	**Agreed to comply** As part of existing airport operations, required approvals from PESO, fire NOC etc have been taken. All similar approvals will be updated as per requirement in line with the progress of master plan activities.
B2	**Air quality monitoring and preservation**	
31	Project proponent shall install system to carry out (Ambient Air quality monitoring for common/criterion parameters relevant to the main pollutants released (PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2, and NOx emissions) within and outside the airport area at least at four locations covering upwind and downwind directions	**Agreed to comply.** As part of existing airport operations and environmental monitoring plan, AIAL monitoring at 4 locations and same will be continued in line with the master plan development. The result of the AAQM are as an **annexure B.31**
32	Diesel power generating sets proposed as source of backup power should be equal to the height needed for the combined capacity of all the DG sets Use of low Sulphur diesel. The location of the DG sets may be decided within the consultation with the state pollution control board.	**Agreed to comply.** As part of existing airport operations, all the DG sets are being provided stack height in line with airport safety norms. Same will be practiced for master plan development also. AIAL would like to highlight that AIAL committed to using low Sulphur diesel fuel for all DG sets.

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
		As part of consent to established application for the master plan, details of all the proposed DG set submitted to state pollution control board, for which CTE has been granted on 12 Oct 2022.
33	Soil and other construction materials should be sprayed with water prior to any loading, unloading or transfer operation as to maintain the dusty material wet.	**Agreed to comply.** Adequate dust mitigation measures have been provided at the site such as, • Water sprinkling to prevent dust emission. • Vehicles used for material movements are covered. • Excavated material storage with proper slope Photographs of the same are given in **Annexure A.8** Good practices for Environment, health and safety
34	The excavation working area should be sprayed with water after operation so as to maintain the entire surface wet	**Agreed to comply.** The surface will be kept wet by sprinkling water on the excavation site.
35	Excavated materials shall be handled and transported in a manner that they do not cause any problems of air pollution	**Agreed to comply.** Adequate dust mitigation measures have been provided at the site such as, • Water sprinkling to prevent dust emission. • Vehicles used for material movements are covered. • Excavated material storage with proper slope Photographs of the same are given in **Annexure A.8** Good practices for Environment, health and safety
36	The soil/construction materials carried by the vehicle should be covered by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	**Agreed to comply.** Adequate dust mitigation measures have been provided at the site such as, • Water sprinkling to prevent dust emission. • Vehicles used for material movements are covered. • Excavated material storage with proper slope Photographs of the same are given in **Annexure A.8**: Good practices for Environment, health and safety
B3	**Water quality monitoring and prevention**	
37	Run off from chemicals and other contaminants from aircraft maintenance	**Agreed to comply.**

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	and other area shall be suitably contained and treated before disposal. A spillage and contaminant plan shall be drawn up and implemented to satisfaction of state pollution control board	As part of present airport operations, the spillage control plan and storm water management plan has been implemented. The same will be updated & implemented in line with the master plan development.
38	Proper drainage systems, emergency containment in the event of a major spill during monsoon season etc. shall be provided	**Agreed to comply.** As part of present airport operations, adequate drainage and storm water networks were provided, Same will be upgraded in line with master plan development.
39	The runoff from paved structures like Runways, Taxiways, can be routed through drains to oil separation tanks and sedimentation basins before being discharged into rainwater harvesting structures	**Agreed to comply.** As part of present airport operations, adequate rainwater harvesting structures were provided. Same will be upgraded in line with master plan development.
40	Adequate capacity and numbers of Storm water drains are to be built for discharging storm water from the air-field to avoid flooding/ water logging in project area. Domestic and industrial wastewater shall not be allowed to be discharged into storm water drain	**Agreed to comply.** As part of present airport operations, adequate storm water drains were provided. Same will be upgraded in line with master plan development. .
41	Rainwater harvesting for roof man-off and surface run-off as plan submitted should be implemented. Rainwater ' harvesting structures shall conform to CGWA designs. Before recharging the surface run off, pretreatment must be done to remove suspended matter, oil and grease.	**Agreed to comply.** For existing airport operations 35 number of rainwaters harvesting recharge pits are provided and maintained. Same will be upgraded as a part of master plan development.
42	Prior permission from competent authority shall be obtained or use of fresh water.	**Agreed to comply** Same as point no 27.
43	A certificate from the competent, 'authority for discharging treated effluent, untreated effluents into the public sewer/disposal / drainage system along with the final disposal point should be obtained	**Agreed to comply.** At present the treated wastewater is being used for gardening, and horticultural requirements after necessary tests. STP will be expanded in a phased manner as per master plan development to treat the entire wastewater from the airport & the treated wastewater will be used for horticulture, HVAC and flushing purposes.

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
		Required approvals from the concerned authorities will be obtained.
44	A detailed drainage plan for rainwater shall be drawn up and implemented.	**Agreed to comply.** Same as point no 38.
B4	**Noise monitoring and prevention**	
45	A noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the ministry as a part of six monthly.	**Agreed to comply.** As part of existing operations, Noise monitoring surveys are being carried out at 4 locations. Detailed reports are attached as an **Annexure B4.45.** Further, same will be suitably continued in line to the environmental monitoring plan to the master plan development.
46	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment compliance reports.	**Agreed to comply.** Adequate noise control measures have been provided at the site such as, • Acoustic enclosures provided to DG Sets • Vehicle speed maintenance • All major noise generating construction activities will be carried out within the approved time frame as per norms. • Timely maintenance of all the equipment, machinery and vehicles used at the site. Photographs of the same are given in **Annexure A.8** good practices of Environment, health and safety Further, same will be suitably continued in line to the master plan development.
47	Acoustic enclosures for DG sets, noise barriers for ground run bays ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	**Agreed to comply.** Adequate noise control measures have been provided at the site such as, • Acoustic enclosures provided to DG Sets • Vehicle speed maintenance • All major noise generating construction activities will be carried out within the approved time frame as per norms. • Timely maintenance of all the equipment, machinery and vehicles used at the site. • Use of PPE such as ear plug

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
		Photographs of the same are given in **Annexure A.8** good practices of Environment, health and safety Further, same will be suitably continued in line to the master plan development.
48	During airport operation period, noise should be controlled to ensure that it does not exceed the prescribed standards During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations	**Agreed to comply** Same as point no 45
B5	**Energy conservation measures**	
49	Energy conservation measures viz. maximum use of natural Lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar streetlight, 3000 KW solar power generation' use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, rooftop thermal insulation etc. shall be implemented as proposed	**Agreed to comply** As part of existing airport operations, the following Energy conservations measures has been adopted: • LED light fixtures are installed • Water efficient faucets with auto control systems are provided. • Natural lighting adopted. • 1400 KW solar panel installed. Further in line with the master plan progress following measures will be carried out. • Energy efficient purchases such as motors and pumps etc.. • The conventional lights have been replaced with LED lights in all the possible locations which has reduced the total energy consumption. • Sensitization of the team & continuous follow up is done for further improvising the Airport environmental & sustainability aspects. • Timely maintenance of AHU's filters & coil, chillers, cooling towers is being carried out at AIAL. Regular monitoring is being carried out for the same.

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
		• Our site is now operating with 62% EV vehicle and for that we have installed total 8 eV charging stations • Water saving initiative – more than 44 KLD water per day saving with efficiency of cleaning improvement – total 24 robots implemented • water saving incitive cloud based irrigation system at poly house nursery • 100% wastewater generated at airport is treated in STP and utilized for gardening & horticulture purpose within the premises. Thereby saving ~300 cum of fresh water per day.
B6	**Waste management**	
50	Soil stockpile shall be managed in such a manner that dust emission and sediments runoff are minimized. Ensure that, soil stockpiles are designed with no slop greater than 2:1 (horizontal: vertical)	**Agreed to comply** Adequate dust mitigation measures have been provided at the site such as, • Water sprinkling to prevent dust emission. • Vehicles used for material movements are covered. • Excavated material storage with proper slope Photographs of the same are given in **Annexure A.8**
51	The project activity shall confirm to the fly ash notification issued under the E.P. act of 1986	**Agreed to comply**
52	Solid inert waste found on construction site consist of building rubble, demolition material, concreates, bricks, timber plastic, glass metals, bitumen etc. shall be reuse, recycled or disposed as per solid waste management rules 2016 and construction and demolition waste management rules 2016.	**Agreed to comply** Solid waste will be handled as per local bylaws. Construction & Demolition Waste will be handled as per Construction & Demolition Waste Management Rules-2016.
53	Any waste from the construction and demolition activities related thereto managed so as to strictly confirmed with construction and demolition waste management rules 2016	**Agreed to comply** Construction & Demolition Waste will be handled as per Construction & Demolition Waste Management Rules-2016.

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
54	The project proponent shall implement management plan duly approved by state pollution control board and obtained its permissions for the safe handling and disposal of -	**Agreed to comply**
55	Trash collected in light and disposed at the airport including segregation, collection and disposal	**Agreed to comply**
56	Toilet waste and sewage collected from aircrafts and disposed at airport	**Agreed to comply**
57	Waste arising out of maintenance and workshops waste arising out from eateries and shops situated inside the airport complex.	**Agreed to comply**
58	Hazardous and other wastes	**Agreed to comply** As existing airport operations, all the hazardous waste has been handled as per hazardous waste management rules and same will be practiced for future master plan progress.
59	The solid waste shall be segregated as per norms of the solid waste management rules 2016, recycling of waste such as paper, glass produced from the terminals and aircraft caterers , metal (from aircraft maintenance site) , plastic (from aircraft, terminals and offices , wood , waste oil and solvents (from maintenance and engineering operations), kitchen waste and vegetable oils (from caterers) shall be carried out. Solid waste shall be disposed in accordance with the solid waste management rules 2016 as amended	**Agreed to comply** For waste management, AIAL practicing waste collection from all terminals, internal transport to waste management facility, segregation in yard, recycling of sorted waste and moving towards our organization goal of ***Zero Waste to Landfill.*** Segregated biodegradable waste is treated in organic waste converter which produces manure, used for gardening purposes. In current operations, proper ventilation and lighting is provided at all terminals and utilities area with AHU and other ventilations provision and same will be practiced during master plan work progress. Further in line with the master plan EC, AIAL ensure that, waste recovery facility is operated in line with our vision for Zero Waste to Landfill. • ZWL Audit was done during 20-21 Feb 2025. Please refer **Annexure A.14** for waste management practice at SVPI airport.
60	Used CFLs and TPLs should be properly collected and disposed off /sent for	**Agreed to comply**

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	recycling as per the prevailing guidelines/rules in the regulatory author to avoid mercury contamination.	
61	Construction spoils, including bituminous materials and other hazardous materials must not be allowed to contaminated water courses, and the dump sites for such material must be secured so that they should not leach into ground water.	**Agreed to comply**
B7	**Green belt**	
62	Green belt of 12.33 Ha (30.48 acre) in landside and 142.47 Ha (353.54 acre) in the airside shall be developed with native tree species in accordance with forest department as per green belt development plan	**Agreed to comply** Greenbelt area will be developed in accordance with local bylaws as per airport conceptual plan.
63	Topsoil shall be separately stored and used in the development of the green belt.	**Agreed to comply**
B8	**Public hearing and human health issues**	
64	As per the TOP issued by MOEF&CC vide file No 21-36/2022-IA-III dated 29 March 2022, public hearing was exempted by the committee ad per para 7(ii) of EIA notification 2026 and its subsequent amendments	**Agreed to comply**
65	Construction site should be adequately barricaded before the construction begins	**Agreed to comply**
66	Traffic congestion near the entry and exit points from road adjoining the airport shall be avoided. Parking should be fully internalized, and no public space should be utilized	**Agreed to comply** For existing operation, a proper traffic management system has been implemented at site as per bylaws. Adequate exit and entry gates, with exclusive spaces for taxi parking and private vehicle parking are provided at the site as per bylaws. Same will be suitably augmented and improvised in line to master plan development.
67	Provision of electromechanical door for toilets meant for disabled passengers. Children nursing/feeding room to be located conveniently near arrival and departure gates	**Agreed to comply** The same will be considered in site master plan.
68	Emergency preparedness plan based on the hazard identification and risk assessment (HIRA), and disaster management plan shall be implemented	**Agreed to comply**

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
69	Provision shall be made for the 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	**Agreed to comply** All the workers and labour are local people, however, adequate necessary facilities like sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, adequate PPEs etc. are provided at site for workers. Photographs of the same are given in **Annexure A.8**- Good practices for Environment health and safety
70	Occupational health surveillance of the workers shall be done on as regular bases.	**Agreed to comply** **Annexure A.8**- Good practices for Environment health and safety
B9	**Corporate environmental responsibility**	
71	The project proponent shall allocate the separate fund as committed before SEAC for activities like conversion of airport owed conventional vehicles operated of fossil fuel to electrical vehicles. Electrical vehicle charging station, solar power plant, green area development near Bhat village and surrounding areas. Activities proposed under corporate environment responsibility (CER) shall be part of Environmental management plan (EMP) as per the MOEF&CC's OM on F. No. 22-65/2017-IA.III dated 30.09.2020. The said activities shall be completed within 10 years from the commencement of the project. The CER shall be monitored, and the monitoring report shall be submitted to the regional office of MOEF&CC as part of the half -yearly compliance report and to the district collector. The monitoring report shall be posted on the website of the project proponent.	**Agreed to comply** Separate budget has been utilized for various ESG related activities as per **Annexure B9.71** During compliance period, under CER, we have planted 2600 trees near Nana chiloda, AMC Plot.
B10	**Miscellaneous**	
72	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it all least in two local newspapers of the district or state, of which one shall be in vernacular language within seven days and in addition this shall also be displayed in project proponent website permanently.	**Complied,** Environment clearance issued by ministry has been published in English newspaper (Times of India, Ahmedabad Edition) and local newspaper (Gujarat Samachar, Ahmedabad Edition) wide dated 18 Nov 2022. Copy of the same attached as **annexure B 72** Environment clearance copy has been displayed on website Link https://www.adani.com/svpia-ahmedabad-airport/downloads

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
73	The copies of the environmental clearance shall be submitted by the project proponents to the head of local bodies, panchayats, and municipal bodies in addition to the relevant offices of the government who in turn has to display the same for 30 days for the date of receipt. The project proponent shall upload the status of the compliance to the stipulated environment clearance conditions, including results of monitoring data on their website and update the same on half yearly basis.	**Complied**, Copy of Environment clearance issued by ministry has been submitted to the concerned local bodies and relevant government offices wide letter dated 27 Nov 2022. Copy of the submitted letter is given as **Annexure B 73.**
74	The project proponent shall submit six monthly reports on the status of the compliance of the stipulated environmental conditions of the website of the ministry of environmental a, forest a climate change at environment clearance portal.	**Agreed to comply** Previous submittal of Half yearly EC compliance report given **as an Annexure B74**
75	The company shall have as well laid down environmental policy duly approved by the board of directors. The environmental policy should prescribe or standard operating procedure to have proper checks and balances and to bring into foes any infringements/deviations/violation of the environmental forest/wildlife, norms /conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental forest/wildlife norms/conditions and or shareholder's /stack holders. The copy of the board resolution in this regard shall be submitted to the MOEF&CC ad part of six-monthly reports.	**Agreed to comply** AIAL has duly approved environmental policy, SOPs to manage the environmental management plan. Copy of the same already has been submitted as part of six-monthly compliance report (Apr'24 to Sep'24) vide letter no. AIAL/ESG/MOEFCC/121 dated 28th Nov 2024.
76	The separate development cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior executive, who will directly report to the head of the organization.	**Agreed to comply** Site is having Head Environment to take care of Environment related functions. He reports to Head Operations and further reports to Chief Airport Officer who directly reports to the top management. Corporate Head Environment & Sustainability and Site Environment Head are BE Environment and MSc in

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
		Environmental Science respectively and are having more than 20 years of experience in the field of environment respectively
77	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise fund earmarked for environment protection measures shall be kept in separate accounts and not to be diverted for any other purpose. Year wise progress of the implementation of taction plan shall be reported to the ministry/regional office along with the six-monthly compliance reports.	**Agreed to comply** Adequate funds will be allocated for the compliance of the environment management plan at the time of execution of the project.
78	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	**Agreed to comply**
79	The project proponent shall submit, the environmental statement for each financial year in form -V to the concerned state pollution control board ad prescribed under the environmental (protection) rules 1986, as amended subsequently and put on the website of the company.	**Agreed to comply.** The environmental statement for each financial year is being prepared and submitted to the State Pollution Control Board regularly. the same already has been submitted as part of six-monthly compliance report (Apr'24 to Sep'24) vide letter no. AIAL/ESG/MOEFCC/121 dated 28th Nov 2024. AIAL will continue to practice the same.
80	The criteria pollution level namely PM10, PM2.5, Sox, NOx (ambient level shall be monitored and displayed at the convenient location near the main gate of the company in the public domain.	**Agreed to comply** The Display board showing ambient air level parameters is provided at site. Photograph for the same has been given as **Annexure B.80**
81	The project proponent shall inform the regional office as well as the concerned authorities, commencing the land development work and start of production and operation by the project. The project authorities must strictly adhere to the stipulations made by the state pollution control board and the state government.	**Agreed to comply**. Upgradation of Airside and Landside facilities at SVPIA are being undertaken inline to Safety compliances and passenger convenience.
82	The project proponent shall abide by all the commitments and recommendations	**Agreed to comply**

#	Specific Conditions	Compliance/ Status
A	**Project specific conditions**	
	made in EIA/EMP report commitment made therein.	
83	No further expansion or modifications in the plant shall be carried out without prior approval of the ministry of environment, forest and climate change (MOEF&CC)/SEIAA.	**Agreed to comply**
84	Concealing factual data or submission of false fabricated data may result in revocation of the environmental clearance and attract actions under the provisions of environmental protection act 1980.	**Agreed to comply**
85	The ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	**Agreed to comply**
86	The ministry reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions	**Agreed to comply**
87	The regional office of the ministry shall monitor compliance of the stipulated conditions. The project authority should extend full cooperation to the officer(s) of the regional office by furnishing the requisite data, information, monitoring reports.	**Agreed to comply**
88	The above conditions shall be enforce, inter-alia under the provisions of the water (prevention & control of pollution act 1974, the air prevention & control of pollution act 1981, the environmental (protection) act 1986, Hazardous and other waste (management and transboundary movement) rules 2016 and public liability insurance act 1991 along with their amendments and rules and any other orders passed by the Hon'ble supreme court of India/high courts/NGT and any other court of law relating to the subject matter.	**Agreed to comply**
89	Any appeal against this EC 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.	**Agreed to comply**

Annexure A1.1

Occupational Health Facilities at AIAL

Emergency Medical Center at Terminal -1



Emergency Medical Center at Terminal – 1 and 2

Emergency Medical Support Team

with ICU on Wheels ambulance





AED kit avaiable at prominent location



Automated external defibrillators installation at both terminals

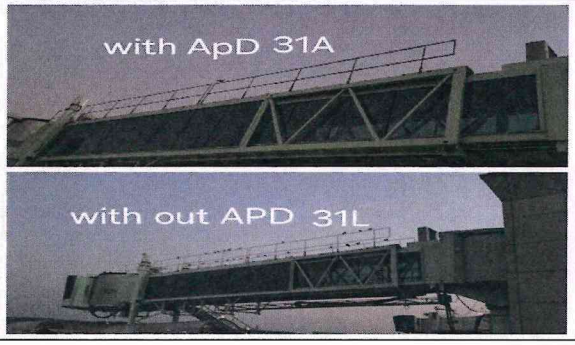
Annexure A 1.2

Bird and animal hit prevention measures

- **End to end program-** Specialised in wildlife agency handling wild life management plan with total scientific approach
- **Setting up the program of wildlife management-** the experienced manpower, removing the habitual non-performers and infusing new management lead by program manager, & team established (a) Bird Scaring Team, (b) Grass Cutting, Debris Collection and Insecticide Spraying Team, (c) Wildlife Rescue Team, and (d) Capture and Release Team, certified bird trappers, ringers, ornithologists, and veterinary doctors
- **Wildlife Rescue:** A custom cage for wildlife was fabricated and put into operation
- **Various innovation practices with expert agency,** Weaver Ant experiment at Army Cantonment, plant growth regulator, Black Light Trap catches, Pole Pigeon etc

VARIOUS INITIATIVES WITH PICTORIAL PRESENTATION

Perch Management











INSTALLATION OF ANTI PERCHING DEVICE ON INSTALLATIONS IN AIRSIDE LIKE SIGNAGE BOARDS, ELECTRIC POLES, BBA, BMA & AEROBRIDGES

Grass Management SVPIA

- There are about 12 species of grasses in SVPIA
- All of them have different growth rates, vigour and spread
- Napier grass is predominant in SVPIA and has a vigour of 22 cm growth in one week
- Hence the use of a Plant Growth Regulator (PGR) was initiated to achieve a grass cutting cycle of 15 days







- The dose of the PGR was decided based on the species of grass in a patch
- After the grass was cut, the PGR was sprayed at an appropriate concentration
- This reduced the growth of grasses to 2 cm in 21-28 days
- SVPIA was able to achieve 10 days grass cutting cycle, a 50% reduction in debris production, 34% reduction in grass-cutting effort

Insect Management: The soil treatment of a complete strip using Entomopathogenic nematode, a natural predator of soil-born insects





Insect traps are installed in airport









Pole Pigeon




Spray of Bird Replant on Runway




Acoustic Device





VEHICLE MOUNTED & SOLAR POWERED STATIC ACOUSTIC DEVICE

WHICH PLAYS INDIAN BIRDS DISTRESS CALLS DEVICE IS MADE IN INDIA

Wildlife management - Capturing and Relocation with scientific approach





Langoor, Birds, Cats, Dogs, Snake management with coordination by forest department

Other inoncation and practices :



Implementation and maintaining of bord net of storm water drain at airside



The Black Kite capturing device 'SkyLock'

CAR Team, thermometer set up, and field notes



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Annexure- A5

adani

AIAL/HSE/22-23/09

8th Dec 2022

To
Member Secretary
State Level Environment Impact Assessment Authority Gujarat
Gujarat Pollution Control Board,
"Paryavaran Bhavan" Sector-10 A,
Gandhinagar-382010

Subject: Environment Clearance for the Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA), Ahmedabad by M/s Ahmedabad International Airport Limited

Ref : Environmental Clearance vide File no SIA/GJ/134807/2022 dated 11th November 2022 [Project Specific Condition A (5)].

Dear Sir

This is to appraise you that Ahmedabad International Airport Ltd has obtained Environmental Clearance for the Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA) to enhance the passenger handing capacity to 40.33 MPPA & cargo handling capacity up to 1.0 MTPA, by State Environment Impact Assessment Authority (SEIAA), Gujarat, vide EC identification No EC22B029GJ165952, File no SIA/GJ/134807/2022 dated 11th November 2022.

In compliance to the Project Specific Condition A (5) of the said Environmental Clearance, we herewith submit you the details of passenger arrival, our Safety, Health & Environment plans, Risk Assessment and Hazard Identification measures.

We hope you will find the data in order.

Yours Sincerely
For, Ahmedabad International Airport Limited

Ahmedabad International Airport Ltd. Ahmedabad

Binu Varghese
Head – Airport Operations

Copy to:

✓ **Inspector of Regional Office, Integrated Regional Office, Ministry of Environment and Forests, Aranya Bhavan, Sector-10, Gandhinagar-382010**

Ahmedabad International Airport Ltd
(Formerly known as Adani Ahmedabad International Airport Ltd)
Terminal-1 Building, 1st Floor
Sardar Vallabhbhai Patel International Airport
Ahmedabad 382 475
Gujarat, India
CIN: U63030GJ2019PLC110076

Tel. +91 79 2555 4700
Fax +91 79 2555 4700
adaniairports@adani.com

www.ahmedabad.adaniairports.com

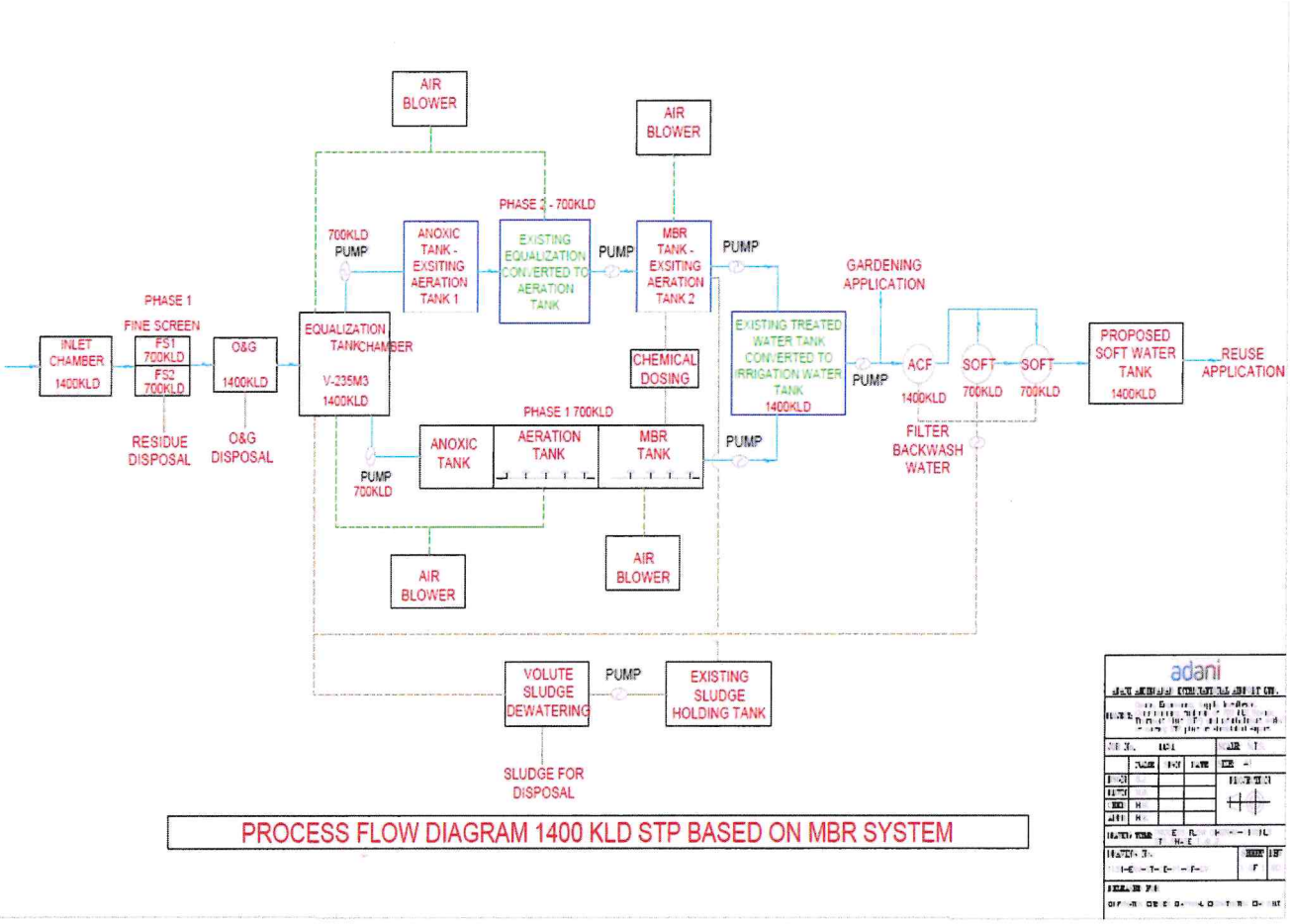
Registered Office: Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad – 382 421

Phase 1 : A new 700 KLD STP with MBR based technology is installed (integrated STP with 1400 KLD)

Treated water is being utilized for horticulture use, cooling tower make up and toilet flushing

As System upgradation, we are also proposing to upgrade existing 500 KLD STP plant to 700 KLD MBR based STP in coming months so that our cumulative STP capacity will be integrated 1400 KLD with MBR (Membrane Bio Reactor) based advance technology sewage plant.

Proposed-Integrated STP of 1400 KLD capacity with up gradated MBR based technology of existing 500 KLD to 700 KLD



PROCESS FLOW DIAGRAM 1400 KLD STP BASED ON MBR SYSTEM

Phase 1 : New 700 KLD STP PROCESS DESCRIPTION

Pre-treatment Unit

Pre-treatment unit shall consist of manual type fine screens for removal of floating material of size more than 6 mm, grit chamber for removal of grit and oil & grease chamber for removal of floating oil and grease. Pre-treatment unit shall be designed to handle max flow of 35 m3/hr. The fine screens shall be capable of removing most of the medium size

floating materials of sizes more than 6 mm. Oil and grease chamber for removal of floating oil & grease.

Equalization Tank

The sewage from the pre-treatment unit shall overflow to an equalization tank. The equalization tank shall be provided to dampen the flow variations and shock loading to achieve constant flow rate. Aeration facilities shall be provided at the bottom of equalization tank for mixing and to prevent deposition of solids.

Rotary Drum Screens

The sewage from equalization tank shall be pumped to mechanical rotary drum screens for removal of floating material of size more than 1 mm. Equalization tank transfer pumps will be provided to transfer the sewage from equalization tank to the rotary screen. The rotary drum screens will be designed to handle normal flow of 35 m3/hr.

Anoxic Tanks & Aeration Tanks

The sewage from rotary drum screens shall be conveyed to biological treatment system. The design shall consist of biological trains/streams, each with anoxic tank, aerobic tank and a membrane tank. Each train shall be designed for 100% of the design flow i.e 35 m3/hr (700 m3/day).

Nitrate formed in the aerobic and membrane zones, is recycled back to the anoxic zone, where it is denitrified. Anoxic tank will consist of a submersible mixer for mixing the sewage with recycle sludge from membrane tanks. Having the anoxic zone as a first zone allows for maximum influent BOD utilization for denitrification. The sewage shall overflow from the anoxic tanks to aeration tanks. Fine bubble diffusers shall be provided at the bottom of each aeration tank to supply oxygen for biological decomposition of organic matter and to keep the mixed liquor suspended solids (MLSS) in suspension. Two (1duty + 1standby) air blowers shall be provided to supply oxygen to aeration tanks. Dissolved oxygen will be monitored in each aerobic tank.

Membrane Tank

The mixed liquor from aeration tanks shall be collected in membrane tanks consisting of submerged membrane modules. Clean water shall be withdrawn from the mixed liquor through the membranes using permeate pumps (2duty +1 standby) and shall be transferred to a treated water tank through ultraviolet disinfection system. Permeate / back pulse pumps shall be taken from the treated water tank for back pulsing and cleaning the membranes. The sludge from the membrane tank shall be recycled to anoxic tanks using two (1 Duty + 1 Standby) sludge transfer pumps. Waste sludge shall be transferred to a sludge holding tank.

Irrigation Water Tank

The clean water from the membrane tank shall be collected in the irrigation water tank.

The treated water tank shall be provided. The treated water shall be transferred to the softener to remove hardness. Treated water will be stored in a soft water tank.

Sludge Handling Units

The sludge from the membrane tank shall be stored in a sludge holding tank. The sludge shall be transferred to volute screw compactor for further dewatering using polyelectrolyte. The dewatered sludge from volute will be collected in bins and shall be disposed off. The supernatant from volute will be routed to the inlet chamber of STP.

Disinfection Units

Biologically treated sewage from the MBR tanks shall be pumped to two (1 Duty + 1 Standby) ultraviolet systems (A-30082A/B) consisting of UV lamps for destruction of pathogens. Sodium hypochlorite solution shall be dosed in the treated water tank to maintain residual chlorine of 0.1 mg/l as per standards for water reuse.

Chemical Dosing System

- Sodium hypochlorite and Citric acid solutions should be used for cleaning of membrane to avoid fouling. One dosing tank and one dosing pump will be provided for each chemical.
- Sodium hypochlorite shall also be used for disinfection of treated sewage which shall be used for irrigation purposes. One dosing tank and one dosing pump will be provided for this purpose.
- Polyelectrolyte solutions shall be dosed into the sludge feed line leading to the volute to enhance de-watering of sludge. One dosing tanks and one dosing pumps will be provided for dosing of polyelectrolyte solution.

Photograph of the new STP

Aeration tank



Aeration tank



Equalisation tank /acoustic enclosued blower



Anoxic tank



MBR



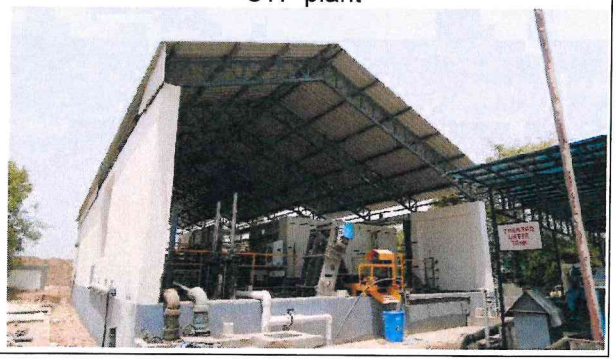
Final treated



Tersory treatement



STP plant



Annexure A8

Good practices Environment, health and safety management

- Acoustic enclosures provided to DG Sets



AI Based Surveillance Camera installed at all different critical location to ensure fall protection, ladders and stairs, scaffolds, trenching and excavation, electrical safety, cranes, occupational noise exposure, welding and cutting etc





AI based camera





AI based camera

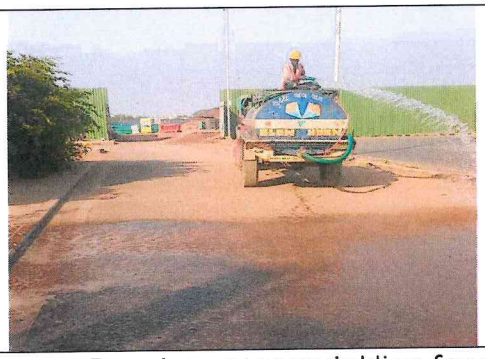
- AI based camera installed at all critical locations at project sites to monitor the high potential hazards and unsafe acts/Unsafe condition on real time basis 24 X7.

- It sends notifications to relevant responsible person via WhatsApp, Email, SMS with photographs.
- Data management, record keeping, tracking observation & data extraction from the system to ease the safety operation.

		
GBR-15 Machine use for grinding with dust suction mechanism to avoid dust in terminal building	ISI approved 3M made respiratory has been deployed for such works for avoiding any respiratory illness to the workers during painting activity	Bio medical waste color code bin

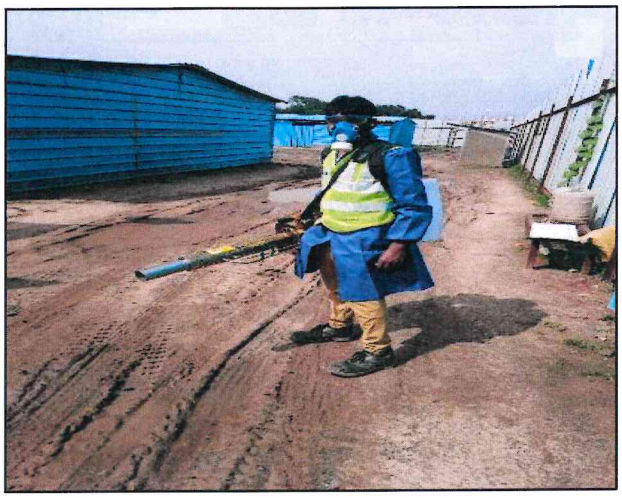
	
Water Sprinkler for Dust Control at site	Fog Canon is being used to control the dust

The soil/construction materials carried by the vehicle should be covered by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.

	
Regular water sprinkling for controlling fugitive emissions at site.	

Fogging at project site



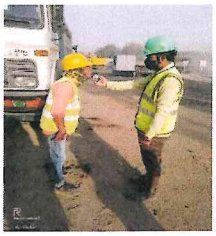


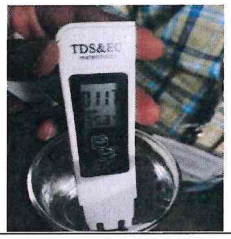






Vehicles carrying construction materials and waste are always ensured to be covered.

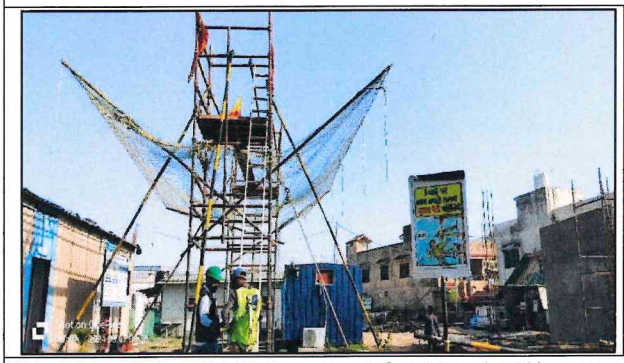
		
Cable detection, UG utilities detection process for excavations	Gas testing inside the tunnel and hot tapping Area	Alcohol Breath Analyzer test to drivers

		
Illumination level checking with Lux meter for Night work	Water testing by TDS Meter	Pest control





Premedical examination for all the workers





and specialised Vertigo Test for Height Workers

Other good practices for Environment, health and safety are as follows

- Vehicle speed maintenance
- Fire NOC obtained for each terminal building
- Permit to work system implemented at site
- HIRA and JSA is being practice at site to ensure safety of the any project and maintenance relate activities

For ESS training and awareness

- EHS induction training for all workers
- Safety park
- PPEs Presentation at site
- Morning tool box training
- JOB SPECIFIC TRAINING ON CHEMICAL HANDLING AT CARGO BUILD.





project site storage facility





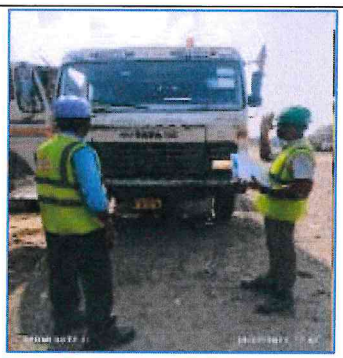
Various inspections practices (machine, vehicle, electrical DB etc..

















- Worker rest shelter
- Drinking water facility for workers
- Drinking water facility at project site







Annexure A.13

1400 KVA solar panel installed at airport premises which contribute 6.2% of the total power consumption.





Annexure A.15 Waste management

As part of operations, an effective Solid Waste Management plan has been implemented at site, which includes:

- ✓ Collection & Segregation of waste from the source
- ✓ Providing separate waste bins (for dry & wet waste) at all the locations including Airside, Landside & Terminals
- ✓ Recycling of solid waste by engaging recyclers

More than 300 dustbins are provided at the passenger as well as staff movement areas and the collected waste is sent to 4 collection points provided (airside and city side). Later the collected waste is sent to centralized waste segregation shed, wherein waste is segregated into different categories such as recyclables and further handled in line to 5R principles. M/s. Sharda Enterprises is implementing Solid waste management at site. Details of solid waste generated during the compliance period of **Oct 2024 to March 2025** is given below. Other Metal waste directly disposed by AIAL to recycler also included in recyclable waste data as below.

Month	Recyclable Waste (kg)	Food Waste (Composter) (kg)
Oct-24	25290	11860
Nov-24	42130	11500
Dec-24	59850	11945
Jan-25	37300	12005
Feb-25	32180	10535
March-25	35700	11590

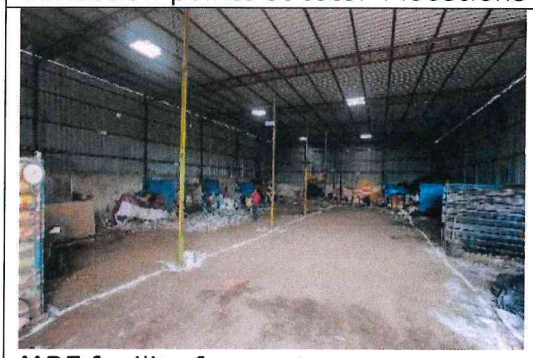
Entire recyclable waste is segregated & recycled. Food waste is being composted in an organic waste Composter machine on the premises.



Collection points at total 4 locations



Waste recovery with segrigation



MRF facility for waste recovery



OWC facility for food waste processing

We have done **zero waste to landfill** certification audit form CII and awaited for final scoring of the certification. Audit was done during 20st to 21st Feb 2025. And we are expecting gold to platinum category ratting under zero waste to landfill certification.

Dedicated Solid Waste yard and ZWL certification process.








Annexure- A 19

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ADITYA ENVIRON

GPCB approved schedule II auditor& ISO 17025 : 2017 NABL Accrediated

Office 1 : Plot No. 190, 4th Floor, Aum Auto Hub, Vibrant Business Park, Opp. UPL Company Ltd., GIDC, Vapi - 396195. Tal – Vapi, Dist –Valsad, Gujarat.

ISO/IEC 17025:2017 NABL Accredited Company	Gujarat Pollution Control Board (Govt. of Gujarat) Authorized Environmental Auditor (Schedule -II)	ISO 9001: 2015 Certified Company

Report on

Adequacy of Sewage Treatment Plant Upgradation

At

M/s. Ahmedabad International Airport Limited (AIAL)

Sardar Vallabhbhai Patel International Airport, Ahmedabad-380004, Gujarat

Prepared by:

M/s. Aditya Environ

Plot No.-190, 4th Floor, Aum Auto hub, Vibrant Business Park,
Opp. UPL Company, national highway no.-8,
GIDC- Vapi- 396195 Gujarat (INDIA).
Mo. +91-9173793913| sejalmapatel145@gmail.com/inquiryadityaenviron@gmail.com
Office 2: 607, MauryanshElanza, Shyamal Cross Road, Satellite Ahmedabad-380015

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A. PREAMBLE

M/s. Ahmedabad International Airport Limited (AIAL) formally known as **M/s. Adani Ahmedabad International Airport Limited (Old name)** has been granted Environment Clearance from State Environment Impact Assessment Authority (SEIAA) and subsequently Consent to Establish (CTE) and Consent to Operate (CTO) from Gujarat Pollution Control Board for their domestic and international airport facility at Sardar Vallabhbhai Patel International Airport, Ahmedabad-380004.

For Expansion of Ahmedabad International Airport Limited to enhance the Passenger Handling Capacity up to 40.33 MPPA & Cargo Handling Capacity up to 1.0 MTPA, Environmental Clearance vide order no. SEIAA/GUJ/EC/7(a)/2694/2022 dt. 11/11/2022 and subsequently, TOR to CTE vide order no. 58203 dt. 12/10/2022, have been obtained by AIAL. CCA Amendment vide order no. WH-129314 dt. 27/09/2023 has also been obtained in accordance with mentioned EC and TOR to CTE and the same is valid up to 20/10/2025.

Looking to the current scenario, unit is expecting increase in number of Passengers up to 19 million per annum (MPPA) in upcoming years, there shall also be increase in F&B and retail within and outside the terminal to facilitate Pass and therefore for relevant changes which will lead to increase in utility requirements (water requirements, Waste water generation, STP capacity, Power Requirement (DG sets) etc. additionally various associated buildings components has been developed along with development of airside components like Taxiway, Aprons, RETs with respect to changes as mentioned below:

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- Fresh water requirement is increasing from 606 KLD to 1350 KLD and subsequently wastewater generation is increasing from 480 KLD to 1240 KLD.
- Considering increment in sewage quantity, Treatment capacity of Sewage Treatment Plant has been increased to 1400 KLD through provision of MBR technology with addition of new tanks, treatment units and modification in existing units.
- In addition to existing standby 24 numbers of D. G. Sets, there is an addition of 9 more D. G. sets with different capacities for the same standby purpose to main power supply source.
- There is no increase in hazardous waste generation, but revision in only the category number of some hazardous wastes to the appropriate ones inline to Hazardous waste rules, amended till date.

Looking to the above changes and validity of existing CCA, AIAL has applied for CCA Amendment + CCA renewal. As a part of process, AIAL has approached Aditya Environ for Adequacy regarding STP upgradation, same as asked by GPCB during application scrutiny.

Therefore, the present study is primarily aiming towards adequacy of sewage treatment plant upgradation ascertaining the quantitative and qualitative assessment of total wastewater generation vis-a-vis provision of existing and newly added treatment units with respect to their design and operational aspect to achieve prescribed norms of GPCB in treated sewage.

Details regarding water and wastewater generation, sewage treatment plant details with design parameters, wastewater characteristics and conclusion of the study are presented below point-wise;

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B. DETAILS OF WATER CONSUMPTION AND WASTEWATER GENERATION:

Details of water consumption and waste water generation is tabulated as below:

➢ **Details of Water Consumption:**

Sr. No.	Category	Existing Water Consumption (KLD)	Proposed Water Consumption (KLD)	Total Water Consumption (KLD)	Remarks
1.	Domestic	606	744	1350	Fresh water
2.	Toilet Flushing	--	80	80	Treated water
A.	**Total Domestic**	**606**	**824**	**1430**	--
B.	**Gardening**	**170**	**95**	**265**	Treated water
C.	**Industrial**				
1.	Cooling	310	500	810	Treated water
C.	**Total Industrial (C)**	**310**	**500**	**810**	--
Grand Total (A+B+C)		**1086**	**1419**	**2505**	--
Total fresh (A+B+C)		**606**	**744**	**1350**	--
Total Reuse (A+B+C)		**480**	**675**	**1155**	--

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➢ **Details of Wastewater Consumption:**

Sr. No.	Category	Existing wastewater Generation (KLD)	Proposed wastewater Generation (KLD)	Total wastewater Generation (KLD)	Remarks
1.	Domestic	450	580	1030	STP
2.	Toilet Flushing	--	80	80	STP
A.	**Total Domestic**	**450**	**660**	**1110**	--
B.	**Gardening**	**00**	**00**	**00**	--
C.	**Industrial**				
1.	Cooling	30	100	130	STP
C.	**Total Industrial (C)**	**30**	**100**	**130**	--
Grand Total (A+B+C)		**480**	**760**	**1240**	--
Total Reuse (A+B+C)		**480**	**675.67**	**1155.67**	--
Total Disposal (A+B+C)		**00**	**84.33**	**84.33**	--

Disposal

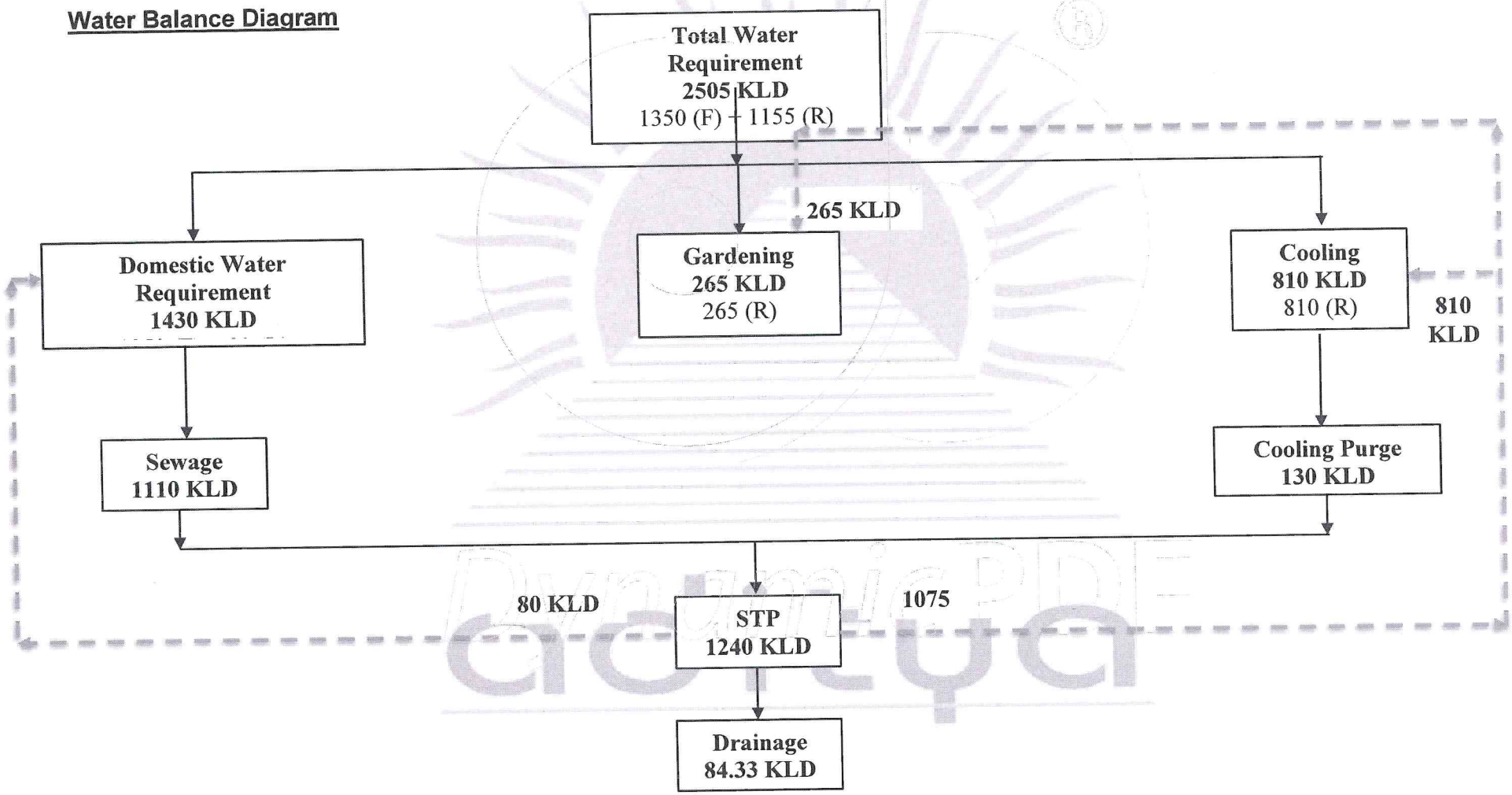
Domestic : Sewage treated in Sewage treatment plant and reuse again in toilet flushing, gardening and cooling.

Industrial : Cooling tower blow down is treated in the sewage treatment plant along with sewage and reuse again the toilet flushing, gardening and cooling.

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Water Balance Diagram



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C. CHARACTERSTICS OF RAW SEWAGE:

Sr. No.	Parameter	Unit	Raw Sewage Characteristics
Quantity (KLD)			**1240**
1	pH	pH Unit	6.5 – 8.5
2	Biochemical Oxygen Demand (BOD_5 20^0C)	mg/L	350 - 400
3	Chemical Oxygen Demand (COD)	mg/L	750 - 800
4	Total Suspended Solids (TSS)	mg/L	400 - 450
5	Total Kjeldahl Nitrogen (TKN)	mg/L	34 - 36
6	Oil & Grease (O&G)	mg/L	15 - 20
7	Fecal Coliform	MPN/100 ml	10^6

D. SEWAGE TREATMENT PLANT

Following are the details of treatment units;

Pre -Treatment Unit

Pre-treatment unit shall consist of manual type fine screen for removal of floating material of size more than 6 mm, grit chamber for removal of grit and oil & grease chamber for removal of floating oil and grease. Pre-treatment unit shall be designed to handle max flow of 35 m^3/hr. The fine screens shall be capable of removing most of the medium size floating materials of size more than 6 mm. Oil and grease chamber for removal of floating oil & grease.

Equalization Tank

The sewage from the pre-treatment unit shall overflow to an equalization tank. The equalization tank shall be provided to dampen the flow variations and shock loading to achieve constant flow rate. Aeration facility shall be provided at the bottom of equalization tank for mixing and to prevent deposition of solids.

Rotary Drum Screens

The sewage from equalization tank shall be pumped to mechanical rotary drum screens for removal of floating material of size more than 1 mm. Equalization tank transfer pumps will be provided to transfer the sewage from equalization tank to

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the rotary screen. The rotary drum screens will be designed to handle normal flow of 35 m3/hr.

Anoxic Tanks & Aeration Tanks

The sewage from rotary drum screens shall be conveyed to biological treatment system. The design shall consist of biological trains/streams, each with anoxic tank, aerobic tank and membrane tank. Each train shall be designed for 100% of the design flow i.e., 35 m^3/hr (700 m^3/day).

Nitrate formed in the aerobic and membrane zones, is recycled back to the anoxic zone; where it is denitrified. Anoxic tank will consist of submersible mixer for mixing the sewage with recycle sludge from membrane tanks. Having the anoxic zone as a first zone, allows for maximum influent BOD utilization for denitrification. The sewage shall overflow from the anoxic tanks to aeration tanks. Fine bubble diffusers shall be provided at bottom of each aeration tank to supply oxygen for biological decomposition of organic matter and to keep the mixed liquor suspended solids (MLSS) in suspension. Two (1 Duty + 1 Standby) air blowers shall be provided to supply oxygen to aeration tanks. Dissolved oxygen will be monitored in each aerobic tank.

Membrane Tank

The mixed liquor from aeration tanks shall be collected in membrane tanks consisting of submerged membrane modules. Clean water shall be withdrawn from the mixed liquor through the membranes using permeate pumps (2 Duty +1 Standby) and shall be transferred to a treated water tank through ultraviolet disinfection system. Permeate / back pulse pumps shall be taken from the treated water tank for back pulsing and cleaning the membranes. The sludge from the membrane tank shall be recycled to anoxic tanks using two (1 Duty + 1 Standby) sludge transfer pumps. Waste sludge shall be transferred to a sludge holding tank.

Irrigation Water Tank

The clean water from membrane tank shall be collected in irrigation water tank. The treated water tank shall be provided. The treated water shall be transferred to the softener to remove hardness. Treated water will be stored in Soft water tank.

Sludge Handling Unit

The sludge from the membrane tank shall be stored in a sludge holding tank. The sludge shall be transferred to volute screw compactor for further dewatering using polyelectrolyte. The dewatered sludge from volute will be collected in bins and shall be disposed off. The supernatant from volute will be routed to inlet chamber of STP.

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Disinfection Units

Biologically treated sewage from the MBR tanks shall be pumped to two (1 Duty + 1 Standby) ultraviolet systems (A-30082A/B) consisting of UV lamps for destruction of pathogens. Sodium hypochlorite solution shall be dosed in the treated water tank to maintain residual chlorine of 0.1 mg/l as per MoE standards for water reuse.

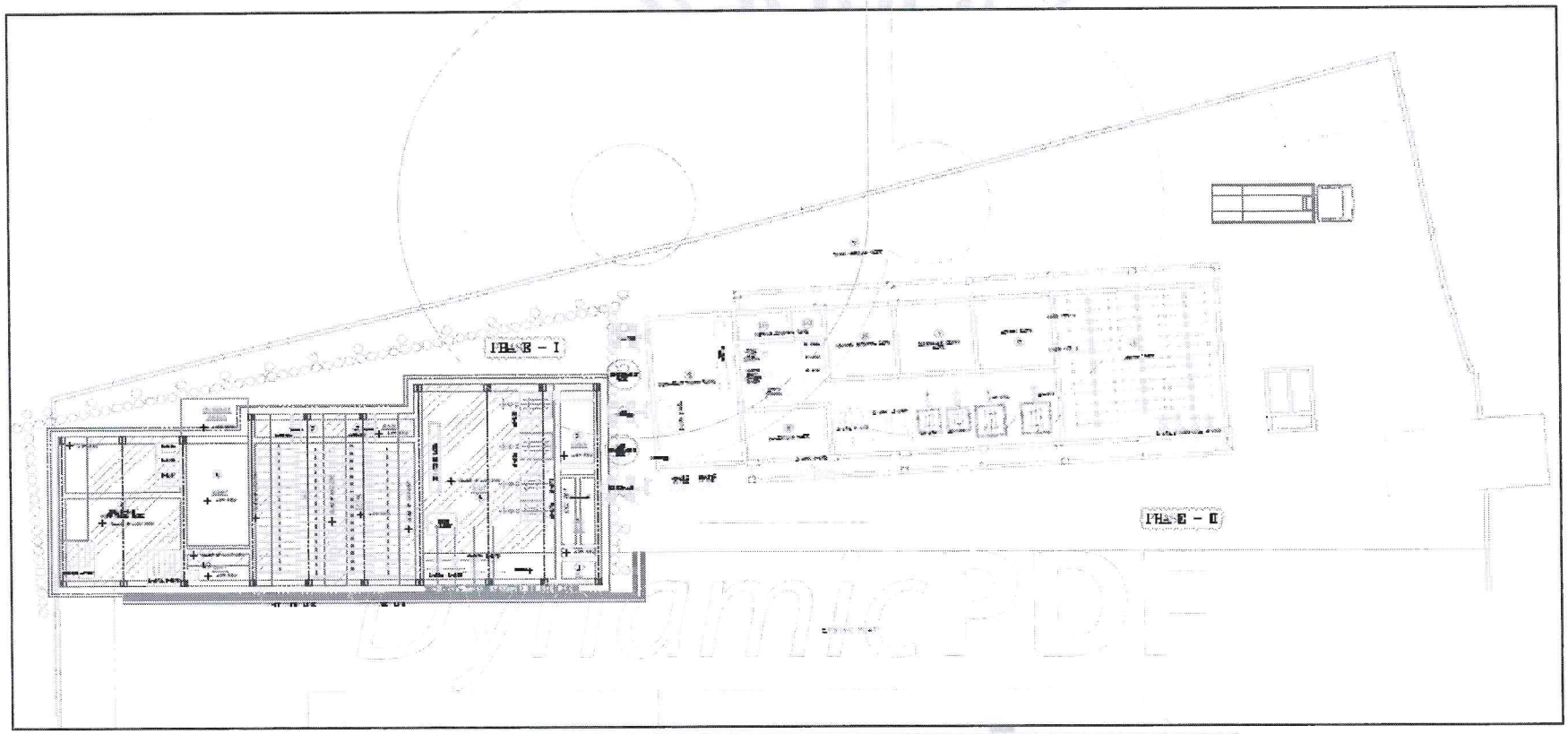
Chemical Dosing System

Sodium hypochlorite and Citric acid solutions shall be used for cleaning of membrane to avoid fouling. One dosing tank and one dosing pump will be provided for each chemical. Sodium hypochlorite shall also be used for disinfection of treated sewage which shall be used for irrigation purpose. One dosing tank and one dosing pumps will be provided for this purposed. Polyelectrolyte solution shall be dosed into the sludge feed line leading to the volute to enhance de-watering of sludge. One dosing tanks and one dosing pumps will be provided for dosing of polyelectrolyte solution.

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➢ Process Flow Diagram



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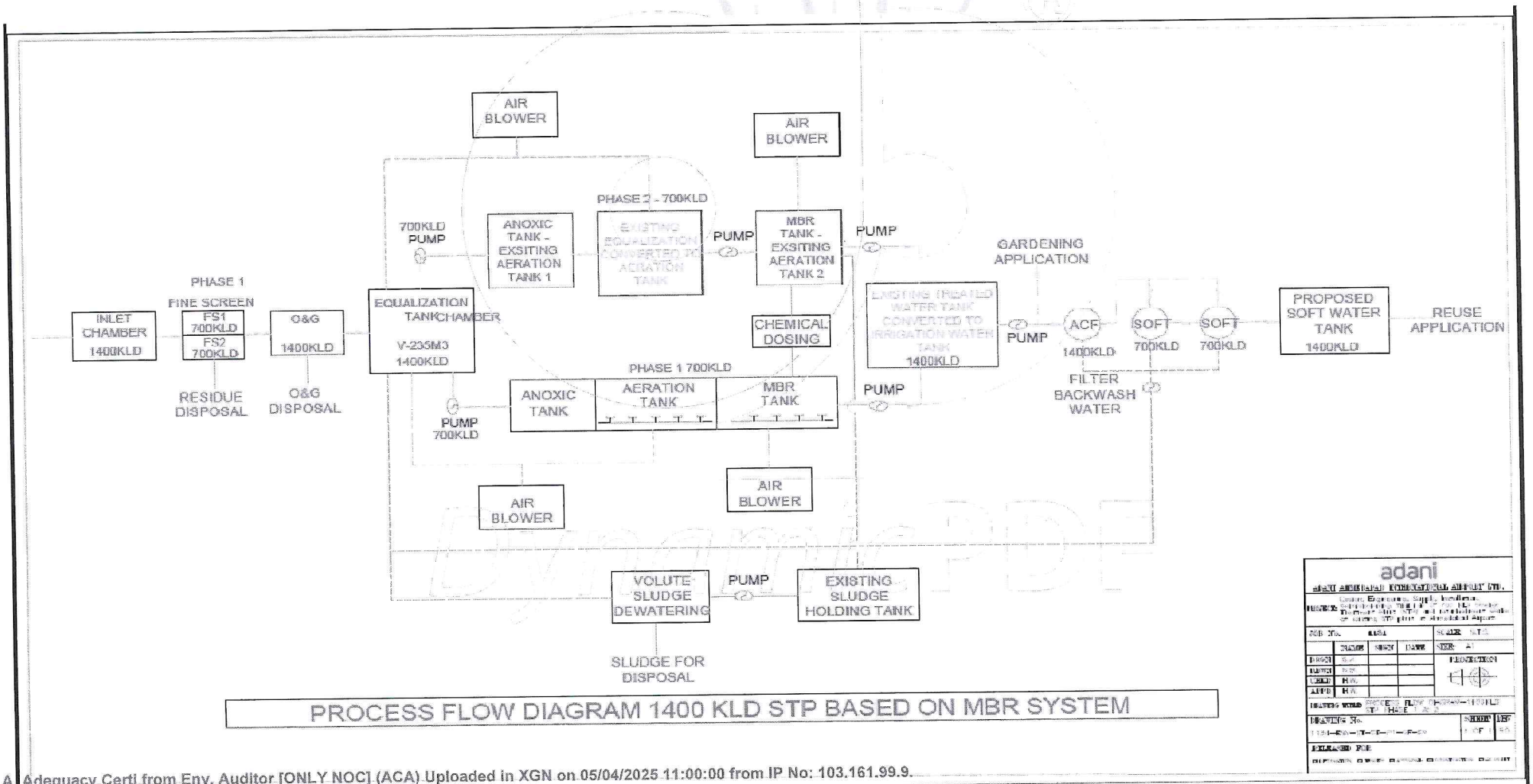
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ADITYA ENVIRON

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ISO/IEC 17025:2017 NABL Accredited Company	Gujarat Pollution Control Board (Govt. of Gujarat) Authorized Environmental Auditor (Schedule -II)	ISO 9001: 2015 Certified Company



PROCESS FLOW DIAGRAM 1400 KLD STP BASED ON MBR SYSTEM

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➢ Design Parameters of Sewage Treatment Plant

DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT						
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
1	**Civil Unit List**					
1-A	**Design of Inlet Chamber**					
	Peak Design Flow		$Q_{(peak)}$	=	116.667	m^3/hr
	Peak Design Flow		$Q_{(peak)}$	=	1.944	m^3/min
	Avg Flow		$Q_{(avg)}$	=	0.972	m^3/min
	Hyd. Retention peak		$HRT_{(peak)}$	=	2.00	min
	Chamber Volume		Vol	=	3.89	m^3
	Liquid Depth		d_1	=	1.20	M
	Area Required		$A_{(Sump)}$	=	3.24	m^2
	Length		L	=	1.80	m
	Length Provided				**1.80**	m
	Width Provided				**1.80**	m
	Dimensions of Unit					
		Length	**L**	=	**1.80**	**m**
		Width	**W**	=	**1.80**	**m**
		Liquid Depth	**d_1**	=	**1.20**	**m**
		Free Board	**FB**	=	**0.50**	**m**
		Total Depth	**d_2**	=	**1.70**	**m**
1-B	**Coarse Screen Channel at ETP Area**					
	No. of Units to be provided		Nos.	=	2	
	Unit to be designed for Average Flow		KLD	=	1400.0	
			m^3/hr	=	70.0	
	Considering 10 mm Opening and 6 mm Bar Thickness,					
	Angle of Inclination		0	=	75.0	
	Length provided		**m**	=	**4.3**	
	CHECK : MANUAL COARSE BAR SCREEN CHANNEL					
	Angle of Inclination		0	=	65	
	Dimensions of Unit			=		
		Length	**L**	=	**4.30**	**m**
		Width	**W**	=	**0.80**	**m**
		Liquid Depth	**d_1**	=	**0.50**	**m**
		Free Board	**FB**	=	**0.50**	**m**
		Total Depth	**d_2**	=	**1.00**	**m**

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT				
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant			
1-C	**Design of Oil & Grease Separator and Grit Chamber**			
	Specific gravity of particle, S_s	=	2.650	
	Diameter of particle to be removed, dp	=	0.00010	m
	Detention time	=	300	sec
	Kinematic viscosity of liquid at 25°C ,n	=	0.00000089	m^2/s
	Horizontal velocity, Vn	=	0.150	m/s
	Computation of Settling velocity:			
	i) Settling velocity of particles as per Stokes law ; Vs for 0.018 for 15mm particles	=	0.0101	m/s
	Check Renolds Number, R	=	1.128	
	ii) Settling velocity of particles as per Transitions law (Holds good when reynolds number is between 1-1000)	=	0.0117	m/s
	Actual Settling velocity of particles, Vs	=	0.0117	m/s
	Computation of Surface Over Flow Rate :			
	Under 100% removal efficiency ; Surface Over flow Rate	=	1014.234	$m^3/m^2.d$
	Computation of Actual Surface Over Flow Rate: (Q/A)			
	Assume removal efficiency	=	30.000	%
	Measure of settling basin performance (for very good performance) ; n	=	0.083	
	Actual Surface Over Flow Rate :	=	446.703	$m^3/m^2/d$
	Dimensions of grit chamber:	=		
	Peak Flow (Q_{peak})	=	2800.0	m^3/d
	Total Plan area of Grit chamber	=	6.268	m^2
	No. of grit chamber	=	1	Nos.
	Manual Type	=	1	Number
	Width of grit chamber	=	1.80	m
	length of grit chamber calculated	=	3.48	m
	Length of grit chamber provided	=	4.30	m
	Liquid depth :			
	Peak Flow	=	0.032	m^3/sec
	Assumed Detention period	=	600	sec
	Total Volume	=	19.444	m^3
	Liquid Depth cal.	=	2.51	m
	Liquid depth provided	=	2.85	m
	Computation of Critical displacement velocity, V_c			

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT						
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
	K			=	0.040	
	f			=	0.030	
	Ss			=	2.650	
	d			=	0.00010	m
	Critical displacement velocity,			=	0.131	m/s
	Horizontal velocity, Vh			=	0.003	m/s
	Check $V_h<V_c$, otherwise change water depth			=	Depth is OK	
	Grit storage			=	U/Stream	
	Assume grit content			=	0.5	m^3/kL
	Total grit content			=	1.167	m^3/day
	Cleaning interval in day			=	7.000	days
	Storage volume required			=	8.167	m^3
	Depth required for storage			=	1.055	m
	Depth provided			=	0.300	m
	Dimension of Grit Chamber					
	Length			=	4.30	m
	Width			=	1.80	m
	Liquid Depth			=	2.85	m
	Provide Grit Storage Depth			=	0.30	m
	Free board			=	0.50	m
	Total depth			=	3.65	m
1-D	**Design of Equalization Tank**					
	Tank Volume & Dimensions					
	Avg Design Flow		$Q_{(avg)}$	=	1400.00	m3/day
	HRT at Average flow		HRT	=	4.25	hours
	Storage capacity required		V=(Q(avg)) x HRT	=	247.92	m^3
	Volume required for New				247.92	m^3
	Liquid Depth		d_1	=	3.20	m
	Area		V/d1	=	77.47	m^2
	Length		L	=	11.00	m
	Width		W	=	7.04	m
	Dimensions of Unit					
		Liquid Depth	d_1	=	**3.20**	**m**
		Area	a=V/d1	=	**77.47**	**m^2**
		Width	W	=	**7.04**	**m**

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT							
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant						
		Length	**L**	=	**11.00**		**m**
		Free Board	**FB**	=	**0.45**		**m**
		Total Depth	**d_2**	=	**3.65**		**m**
	Calculation for Air Requirement						
					0.01 to 0.015		
	Air Supply Rate		ASR	=	0.01		m^3/m^3.min
	Air required		ASR x V	=	2.479		m^3/min
	Air required			=	**148.75**		**m^3/hour**
	PROCESS DESIGN FOR MBR SYSTEM						
1-E	**Design of Anoxic Tank (AT)**				**New**	**Existing**	
	Calculation For Reactor Volume						
	Design Flow		Q	=	700.00	700.00	m^3/day
	MLSS concentration in Anoxic tank				3500.00	3500.00	mg/l
	MLVSS Concentration in Anoxic Tank		MLSS*0.8	=	2800.00	2800.00	mg/l
	inlet TKN				36.00	36.00	ppm
	inlet NO3-N		NO_3-N		28.80	28.80	ppm
	outlet TKN				10.00	10.00	ppm
	outlet NO3-N		N_e		2.00	2.00	ppm
	RAS recycle ratio		R		0.50	0.50	
		Internal recycle ratio	(NO_3-N/N_e)-1-R		12.90	12.90	
	Flow rate to anoxic tank		IR*Q + R*Q		9380.00	9380.00	m3/day
	Amount NO3-N fed to anoxic tank = Flow rate to anoxic tank*Ne				18760.00	18760.00	g/day
	Required HRT				1.00	1.00	Hrs
					0.05	0.05	day
	Volume of anoxic tank = HRT*Q		V_{anoxic}		35.00		
	Existing Aeration Tank 1 will be converted to Anoxic Tank						
	Volume of Existing Aeration Tank					60.00	m3
	Proposed HRT for Phase 2 Anoxic Tank				1.00	2.06	Hrs
	F/M ratio	(Q*inlet BOD) / (V_{anoxic} *MLVSS)			2.06	1.20	g/g. day
	Specific denitrification rate		SDNR		0.20	0.15	g/g. day

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT							
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant						
	reduced NO3-N	V_{anoxic}*SDNR*MLVSS			19600.00	25200.00	g/day
	Capacity ratio	reduced NO3-N / Amount NO3-N fed to anoxic tank			1.04	1.34	
	No of Units			=	1.00	1.00	No
	Volume of the reactor /No. of Units		V	=	35.00	60.00	m^3
	Liquid Depth		d_1	=	4.00	4.00	M
	Area	V/ d1	A	=	8.75	15.00	m^2
	Width	Sqrt(A)	W	=	8.45	3.87	m
	Length	Sqrt(A)	L	=	1.04	3.88	m
	F. B			=	0.50	0.50	m
	Dimensions of Unit			=			
		Width	**W**	=	**8.50**	**3.90**	**m**
		Length	**L**	=	**1.00**	**3.90**	**m**
		Liquid Depth	**d_1**	=	**4.00**	**4.00**	**m**
		Free Board	**FB**	=	**0.50**	**0.50**	**m**
		Total Depth	**d_2=d1 + FB**	=	**4.50**	**4.50**	**m**
1-E-1	**Mixer for anoxic tank**						
	Power required for 1000 cum Anoxic volume			=	13	13	Kw
	Total Anoxic tank Volume			=	35.00	60.00	m3
	No. of Anoxic tank			=	1	1	Nos.
	Each Anoxic tank Volume			=	35.00	60.00	m3
	No. of mixers in each tank			=	2	2	No.
	Total No. Mixers			=	2	2	Nos.
	Power required for each anoxic mixer			=	0.455	0.78	kw
	Mech. efficiency			=	0.7	0.7	
	calculated power for each anoxic mixer			=	0.65	1.11	kw
	HP calculated			=	0.87	1.49	HP
	HP provided			=	1	2	HP
	SECONDARY TREATMENT						
1-F	**Design of Aeration Tank Phase 1**						

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DEVELOPMENT OF
SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT

	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
	Design Flow	Q	=	700.00		m^3/day
	Assume 10% BOD Removed in Equalization Tank		=	360.00		mg/l
	BOD Inlet in Aearation Tank	BOD inlet		360.00		mg/l
	Effeciency of BOD removal	$e_{(BOD)}$	=	97.50%		%
	BOD Removal Efficiency as 50%			351.00		
	Design BOD Load	$BOD_{(daily)}$	=	245.70		kg/day
	No of Units		=	1.00		Nos.
	Loading Rate		=	0.91		Kg/m3.d
	Effective Volume of Each Tank		=	270.00		m3
	MLSS maintained in the Aeration tank			5000.00		mg/l
	MLVSS maintained in the Aeration tank			4000.00		mg/l
	F/M Calculated			0.182		
	Check for HRT = (V/Q)*24		=	**9.26**		**hrs**
	Liquid depth	d_1		4.00		m
	Area		=	67.50		m2
	Length			7.94		m
	Width			8.50		m
	Dimensions Adopted					
	Depth of Unit		=	**4.00**		**m**
	Area		=	**67.50**		**m2**
	Length		=	**7.90**		**m**
	Width		=	**8.50**		**m**
	F. B		=	**0.50**		**m**
	Total Depth	$d_2=d1+FB$	=	**4.50**		**m**
1-F	**Design of Aeration Tank Phase 2 - *Existing Equalization Tank Converted to***					
	Aeration Tank for Phase 2 as per Process Flow Diagram					
	Design Flow	Q	=		700.00	m^3/day
	Assume 10% BOD Removed in Equalization Tank		=		360.00	mg/l
	BOD Inlet in Aeration Tank	BOD inlet			360.00	mg/l
	Efficiency of BOD removal	$e_{(BOD)}$	=		97.50%	%
	BOD Removal Efficiency as 50%				351.00	
	Design BOD Load	$BOD_{(daily)}$	=		245.70	kg/day
	No of Units		=		1.00	Nos.
	Loading Rate		=		1.05	Kg/m^3.d

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT							
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant						
	Required Effective Volume of aeration Tank			=		234.00	m^3
	Existing Equalization Tank will be converted to Aeration Tank						
	Existing Equalization Tank Sizes are as;						
	Length of proposed Aeration tank					8.46	m
	Width of proposed Aeration tank					8.46	m
	Liquid Depth of proposed Aeration tank					3.30	m
	Volume of proposed Aeration tank					236.19	m^3
	Required aeration tank volume is lesser than Available equalization tank volume						
	MLSS maintained in the Aeration tank					5000.00	mg/l
	MLVSS maintained in the Aeration tank					4000.00	mg/l
	F/M Calculated					0.213	
	Check for HRT = (V/Q)*24			=		**8.10**	**hrs**
	Liquid depth		d_1			3.30	m
	Area			=		71.57	m^2
	Length					8.46	m
	Width					8.46	m
	Dimensions Adopted						
		Depth of Unit		=		**3.30**	**m**
		Area		=		**71.57**	**m^2**
		Length		=		**8.46**	**m**
		Width		=		**8.46**	**m**
		F. B		=		**0.20**	**m**
		Total Depth	**d_2=d1 + FB**	=		**3.50**	**m**
1-F-1	**SLUDGE RECIRCULATION PUMP**						
	Recirculation Rate Adopted				4.00	4.00	%
	Feed Flow to Anoxic Tank				29.17	29.17	m^3/hr
	Recirculation Flow as per Design				116.67	116.67	m^3/hr
	Recirculation Flow as per MBR Vendor				117.00	117.00	m^3/hr
	Recirculation Flow as per Tender				75.00	75.00	m^3/hr
	Total No. Of Pumps				2.00	2.00	Nos.
	No. Of Pumps Working				1.00	1.00	Nos.
	No. Of Pumps Standby				1.00	1.00	No.
	Capacity of Each Pump provided				117.00	117.00	m^3/hr

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT						
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
	Head			8.00	8.00	m
1-F-2	**Calculation For Aeration Equipment - Oxygen Requirements for BOD removal**					
	Applied BOD	$BOD_{(daily)}$	=	245.70	245.70	kg/d
	Oxygen Supply rate	$OSR_{(BOD)}$	=	1.10	1.10	kg/kg BOD applied
	Oxygen requirement at standard condition = BOD (daily) x OSR	$OR_{(BOD)}$	=	270.27	270.27	kg/day
	TKN Load (ammonia form)	$NH_{3(daily)}$	=	25.20	25.20	kg/d
	TKN in effluent	$TKN_{(eff)}$	=	7.00	7.00	Kg/d
	TKN going for denitrification (nitrate form) NH3(daily) – TKN (eff)	TKN (denitrification)	=	18.20	18.20	Kg/d
	Oxygen supply rate for Ammonia	OSR (nitrification)	=	4.33	4.33	Kg/kg of NH3 applied
	Oxygen Required for Nitrification NH3(daily)x OSR (nitrification)	OR (nitrification)	=	109.12	109.12	Kg/d
	Kg O2 released per Kg of Nitrate-Nitrogen during denitrification			2.86	2.86	kg/NO_3-N
	Kg of Nitrate-Nitrogen generated			18.90	18.90	kg/d
	Kg of Nitrate Nitrogen in the Treated Sewage			2.63	2.63	kg/d
	Quantity of Nitrate Nitrogen that is denitrified			16.28	16.28	kg/d
	O_2 released during Denitrification			16.28	16.28	kg/d
	Total Oxygen Required at Standard condition OR(BOD) + OR (nitrification) - OR(Denitrification)	OR (Total std)	=	363.11	363.11	Kg/d
	Oxygen transfer capacity of aeration					
	Ns = Oxygen Transfer capacity under std condition			2.00	2.00	kgO_2/kwh
	Cs = DO Saturation at operating temp			7.50	7.50	mg/L
	C = Operation DO level in aeration tank			2.00	2.00	mg/L
	T = Temperature @ 30^0C			30.00	30.00	°C

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DEVELOPMENT OF
SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT

	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
	Total Oxygen transfer capacity under standard conditions			**477.58**	**477.58**	**kg/day**
	Alpha	α	=	0.60	0.60	
	Beta	β	=	0.90	0.90	
	Air Density	ρ (air)	=	1.20	1.20	kg/m^3
	O2 content in air	O2 in air	=	0.23	0.23	
	Standard Oxygen Transfer Efficiency (SOTE) of Diffuser per m Depth of Submergence		=	6.00	6.00	% / m
	Liquid Level in Aeration tank during Peak Flow		=	4.00	3.30	m
	Height at which Diffusers are kept		=	0.15	0.15	m
	Effective Aeration Depth = H - I		=	3.85	3.15	m
	Efficiency of diffusers	η (diffuser)	=	0.19	0.16	
	Air Requirement OR (Total std)/ (α*β* ρ (air)*O2 in air * η (diffuser))		=	16456.72	20113.77	Nm^3/day
	Air Requirement		=	685.70	838.07	Nm^3/hr
	Blower capacity for 5% Factor of Safety		=	720.00	880.00	Nm^3/hr
	Working blower		=	1.00	1.00	No.
	Single Blower capacity		=	720.00	880.00	Nm^3/hr
	Blowers' capacity provided		=	720.00	880.00	M3/hr
	Pressure		=	0.40	0.45	kg/cm^2
1-F-3	**Air Blower Provided**					
	Air required in Equalization Tank		=	148.75	0.00	$m^3/hour$
	Air required in Aeration Tank		=	720.00	880.00	$m^3/hour$
	Air Required in Sludge Holding Tank		=	36.52	36.52	$m^3/hour$
	Capacity of each blower		=	905.27	916.52	$m^3/hour$
	Proposed Capacity of each blower		=	900.00	900.00	$m^3/hour$
	No of Air Blowers		=	2.00	2.00	1W+1S
	Pressure		=	0.40	0.45	Kg/Cm^2
1-F-4	**Fine Bubble Diffusers - Aeration Tank**					
	Optimum air transfer rate for each diffuser		=	7	7	$m^3/hour$
	Diffuser Quantity in 2 tanks		=	103	126	Nos.
	Diffuser Dia		=	90	90	mm
	Length		=	1	1	m

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT							
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant						
	MOC			=	EPDM	EPDM	
1-G	**Design of Membrane Tank for Phase 1**						
	Design Flow		Q	=	700.00		m^3/day
	BOD inlet to MBR Tank				351.00		mg/l
	Design BOD Load		BOD (daily)	=	245.70		kg/day
	No of Units		MBR (no)	=	1.00		Nos.
	Efficiency of BOD removal		$e_{(BOD)}$	=	97.50%		%
	BOD Load /Aeration Tank		BOD (per MBBR)	=	245.70		kg/day
	MLSS maintained in the MBR tank				12000.00		mg/l
	MLVSS maintained in the MBR tank				9600.00		mg/l
	F/M Calculated				0.3050		/day
	Effective Volume of Each Tank		V	=	67.13		m^3
	Check for HRT = (V/Q)*24			=	2.30		hrs.
	Recirculation Rate Adopted				4.00		%
	Recirculation Flow				140.00		m^3/hr
	Liquid depth		d_1		4.00		m
	Area			=	16.78		m^2
	Length				6.20		m
	Width				2.71		m
	Dimensions Adopted						
		Depth of Unit		=	**4.00**		**m**
		Area		=	**16.78**		**m^2**
		Length		=	**6.20**		**m**
		Width		=	**2.80**		**m**
		F. B		=	**0.50**		**m**
		Total Depth	**d_2=d1 + FB**	=	**4.50**		**m**
1-G	**Design of Membrane Tank Phase 2 - *Aeration Tank 2 Converted to***						
	Membrane Tank for Phase 2 as per Process Flow Diagram						
	Design Flow		Q	=		700.00	m^3/day
	BOD inlet to MBR Tank					360.00	mg/l
	Design BOD Load		BOD (daily)	=		245.70	kg/day

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ADITYA ENVIRON

GPCB approved schedule II auditor& ISO 17025 : 2017 NABL Accredited

Office 1 : Plot No. 190, 4th Floor, Aum Auto Hub, Vibrant Business Park, Opp. UPL Company Ltd., GIDC, Vapi - 396195. Tal – Vapi, Dist –Valsad, Gujarat.

ISO/IEC 17025:2017 NABL Accredited Company	Gujarat Pollution Control Board (Govt. of Gujarat) Authorized Environmental Auditor (Schedule -II)	ISO 9001: 2015 Certified Company

DEVELOPMENT OF
SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT

Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant

	No of Units		MBR (no)	=		1.00	Nos.
	Efficiency of BOD removal		$e_{(BOD)}$	=		97.50%	%
	BOD Load /Aeration Tank		BOD (per MBBR)	=		245.70	kg/day
	MLSS maintained in the MBR tank					12000.00	mg/l
	MLVSS maintained in the MBR tank					9600.00	mg/l
	F/M Calculated					0.3500	/day
	Required Effective Volume of MBR Tank		V	=		60.00	m^3
	Check for HRT = (V/Q)*24			=		2.06	hrs.
	Recirculation Rate Adopted					4.00	%
	Recirculation Flow					116.67	m^3/hr
	Liquid depth		d_1			4.00	m
	Length of Existing Tank					3.95	m
	Width of Existing Tank					3.95	m
	Area available			=		15.60	m^2
	Liquid Depth available					4.10	m
	Volume available					63.97	m
	Dimensions Adopted						
		Depth of Unit		=		**4.00**	**m**
		Area		=		**15.60**	**m^2**
		Length		=		**4.00**	**m**
		Width		=		**4.00**	**m**
		F. B		=		**0.50**	**m**
		Total Depth	**d_2=d1 + FB**	=		**4.50**	**m**
1-G-1	**Membrane Modules and Data - As per Vendor Data**				**New**	**Existing**	
	Surface Area of Membrane			=	430.00	430.00	Sq. ft.
	Number of Trains at ADF			=	1.00	1.00	
	Number of Cassette Places per train			=	2.00	2.00	
	Total Number of Membrane Modules Installed in plant			=	24.00	24.00	nos.
	Flux (lmh) at ADF			=	30.40	30.40	LMH
	Design MLSS (mg/l) in the membrane tank			=	12000.00	12000.00	mg/l
	Design Temperature			=	25	25	Deg.

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DEVELOPMENT OF
SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT

	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
						Celsius
	Equipment Details - As per Vendor Data					
1-G-2	**PERMEATE PUMPS & BACKPULSE PUMPS**		=	**29.2 to 33.3 m3/hr @ 11 m Head**		
				New	**Existing**	
	Total No. of Pumps		=	3.00	3.00	Nos.
	No. Of Pumps Working		=	2.00	2.00	Nos.
	No. Of Pumps Standby		=	1.00	1.00	No.
	Permeate/BackPulse Pump as per Tender		=	17.50	17.50	m^3/hr
	Total capacity of Pump provided		=	35.00	35.00	m^3/hr
	Head		=	12.00	12.00	m
1-G-3	**RAS Pump - As per 2-F-1**		=	**117 m3/hr @ 8 m Head,**		
1-G-4	**MEMBRANE TANK BLOWERS**		=	**245 dm3/hr @ 0.35 Bar**		
	Total No. of Blowers		=	2.00	2.00	Nos.
	No. Of Blowers Working		=	1.00	1.00	Nos.
	No. Of Blowers Standby		=	1.00	1.00	No.
	Total capacity of Pump provided		=	245.00	245.00	m^3/hr
	Pressure		=	0.35	0.35	kg/cm^2
1-H	**UV DISINFECTION SYSTEM**					
	No. of Units provided		=	1	1	Nos.
	No. Of Units Working		=	1	1	No.
	No. Of Units Standby		=	0	0	No.
	Capacity of UV disinfection system required		=	35.00	35.00	m^3/hr
			=	583	583	L/min
	Minimum UV Dose required		=	60000	60000	uW-sec/cm^2
	Flow handled per lamp		=	36	36	l/lamp.min
	No. Of lamps required		=	16	16	Nos

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT							
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant						
1-I	**Design of Irrigation Water Tank - Existing Treated Water Tank**				**New**	**Existing**	
	Converted to Irrigation Water Tank for Phase I & Phase II storage						
	No of Units			=	1		
	Design Flow		Q	=	1400		m^3/day
	Length of Existing Tank		L	=	8.54		m
	Width of Existing Tank		W	=	4.68		m
	Available Surface area of Tank		A	=	39.97		m^2
	Depth of Existing Tank		d_1	=	3.4		m
	Available Volume of Tank		V	=	135.89		m^3
	Available HRT for Phase 1 & Phase 2		HRT	=	2.33		Hr
	Available HRT for Phase 1 & Phase 2		HRT	=	139.80		Min
	Dimensions Adopted			=			
		Side water Depth	**d1**	=	**3.40**		**m**
		Length		=	**8.60**		**m**
		Width		=	**4.70**		**m**
		F.B		=	**0.50**		**m**
		Total Depth		=	**3.90**		**m**
1-I-1	**Softener Feed Pump**				**New**	**Existing**	
	Total No. of Pumps			=	2.00	2.00	Nos.
	No. Of Pumps Working			=	1.00	1.00	Nos.
	No. Of Pumps Standby			=	1.00	1.00	No.
	Total capacity of Pump provided			=	35.00	35.00	m^3/hr
	Head			=	35.00	35.00	m
1-I-2	**Water Softening Unit**				**New**	**Existing**	
	Inlet Hardness			=	300.00	300.00	mg/l
	Outlet Water Hardness			=	**10**	**10**	mg/l
	OBR (Output Bet. Regeneration)			=	**700**	**700**	
	Type			=	Downflow Vertical	Downflow Vertical	
	Working Time				20	20	Hours

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT							
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant						
	Max.Flow Rate			=	70.0	70.0	m^3/hour
	Avg. Design Flow		$Q_{(avg)}$	=	35.0	35.0	m^3/hour
	No of Working units		N	=	1	1	
	No of Stand By units			=	0	0	
	Flow through each unit		$Q_{(unit)}$	=	35.00	35.00	m^3/hour
	Filtration Rate max		$FR_{(max)}$	=	14	14	m/hour
	Area of each unit Required		A	=	2.50	2.50	m^2
	Frontals			=	5/6/100	5/6/100	mm
	Design Pressure				2.0-3.5	2.0-3.5	kgs/cm^2
	Regeneration Tank			=	1600X1250	1600X1250	mm
	Regeneration Time			=	90.00	90.00	min
	Media Detail						
	Media			=	Indion-225Na Resin	Indion-225Na Resin	
	Media Quantity			=	3000.00	3000.00	Liters
	Dimensions Adopted			=			
		HOS		=	**2.50**	**2.50**	**m**
		Diameter		=	**1.80**	**1.80**	**m**
1-J	**Design of Soft Water Tank - Proposed Water Tank for Phase 1 &**						
	Phase II storage						
	Avg. Flow		$Q_{(avg)}$	=	1400.00		m^3/day
	Avg. Flow		$Q_{(avg)}$	=	58.33		m^3/hr
	Dimensions Adopted			=			
		Depth		=	**4.00**		**m**
		Length		=	**8.00**		**m**
		Width		=	**5.30**		**m**
		F.B		=	**0.50**		**m**
		Total Depth		=	**4.50**		**m**
	No of units		N	=	1.00		no
	Volume Provided		V	=	169.60		m^3
	HRT available			=	2.91		Hrs.
	HRT available			=	174.45		Min
	SLUDGE HANDLING SYSTEM						

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DEVELOPMENT OF
SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT

	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant				
1-K	**Design of Sludge Holding Tank**				
	Excess Biological Sludge	$S_{(wast)}$	=	354.90	kg/day
	Excess Biological Sludge	$S_{(tot)}$	=	354.90	kg/d
	Sludge Conc.		=	1.00	%
	Sludge Quantity	$S_{(Q)}$	=	35490.00	liters/day
	Sludge flow rate @ 1 Hours	SLR	=	35.49	m^3/Hour
	Length of Existing Tank	L	=	4.29	m^3
	Width of Existing Tank	W	=	2.79	m^3
	Area	A	=	11.97	m^2
	Depth of Existing Tank	d_1	=	3.39	m
	Volume of Existing Tank	V	=	40.58	m^3
	Available HRT	HRT	=	1.14	Hrs
	Dimensions Adopted		=		
	Depth		=	**3.39**	**m**
	Length		=	**4.29**	**m**
	Width		=	**2.79**	**m**
	F. B		=	**0.50**	**m**
	Total Depth		=	**3.89**	**m**
	Calculation for Air Requirement			0.01 to 0.015	
	Air Supply Rate	ASR	=	0.015	m^3/m^3·min
	Air required	ASR x V	=	0.609	m^3/min
	Air required		=	**36.5177241**	**m^3/hour**
1-K-1	**VOLUTE FEED PUMPS**				
	Total No. Of Pumps		=	2	Nos.
	No. Of Pumps Working		=	1	Nos.
	No. Of Pumps Standby		=	1	No.
	Capacity of each pump provided		=	**3**	**m^3/hr**
	Total Volume of Sludge		=	**40.58**	**m^3**
	Hours of Operation		=	**13.53**	**Hr**
	Head		=	**1.50**	**barg**

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DEVELOPMENT OF SARDAR VALLABHBHAI PATEL INTERNATIONAL AIRPORT						
	Process Design Calculation for 1400 KLD capacity Sewage Treatment Plant					
1-K-2	**Screw (Volute) Dehydrator**			**Phase 1**	**Phase 2**	
	Volume of Waste Sludge to be fed to Volute		=	40.58	40.58	m^3/day
	Running Time of Volute considered		=	13.53	13.53	hr/day
	No. of Volute provided		=	1.00	1.00	(1W)
	Capacity of each Volute required		=	3.00	3.00	
				3	3	m^3/hr
	Capacity of each Volute provided		=	**3**	**3**	**m^3/hr**
	Consistency of dewatered sludge		=	15.00%	15.00%	%
	Volume of dewatered sludge		=	3 / (0.15 x 1000)	3 / (0.15 x 1000)	
			=	2.366	2.366	m^3/day
	Centrate from Volute to Equalization Tank		=	38.21	38.21	m^3/day

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E. CHARACTERSTICS OF TREATED SEWAGE;

Sr. No.	Parameter	Unit	Treated Sewage Characteristics	GPCB Norms
Quantity (KLD)				
1	pH	pH Unit	7.4	5.5-9.0
2	Biochemical Oxygen Demand (BOD_5 20^0C)	mg/L	8	10
3	Chemical Oxygen Demand (COD)	mg/L	39	50
4	Total Suspended Solids (TSS)	mg/L	7	20
5	Total Nitrogen	mg/L	9	10
6	Fecal Coliform	MPN/100 ml	190 N/100	230 N/100

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F. CONCLUSION:

On the Basis of;

1. Technical information, as annexed herewith, pertaining to the above subject matter, submitted by **M/s. Ahmedabad International Airport Limited (AIAL)** are as follows:
   - List of currently existing and proposed water consumption and wastewater generation.
   - Characteristics of raw sewage, Dimension of Sewage Treatment Plant existing as well after modification.

It can be concluded that

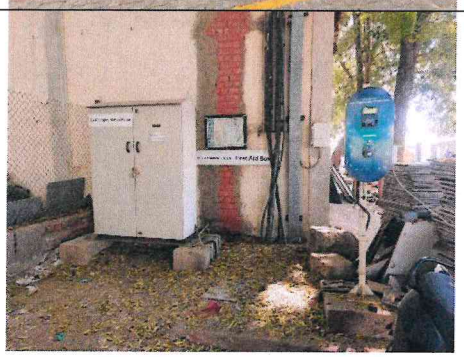
1. The treatment facility is adequate to treated 1400 KLD wastewater.
2. Upon reviewing the details provided by the proponent and physical verification conducted on the sewage and sewage treatment plant, we conclude that the wastewater treatment system designed based on the characteristics of sewage and feasibility with respect to treatment, reuse and disposal aspects and it will be effective and sufficient, subject to the following conditions:
   Sewage is treated in dedicated sewage treatment plant regularly and efficiently and treated sewage to be used for green belt development, cooling and toilet flushing.

Our conclusions and recommendations as mentioned above are subject to automatic cancellation in case of any change takes place in treatment technology, treatment units's dimension / capacity, quality and quantity of effluents and efficiency of Sewage treatment plant units.

Date: 02/04/2025
Place: Ahmedabad

(Technical Manager)
Sejal Mayank Patel

Charging station at SVPI airport : **Total 8 Charging station**

Locations and capacity of the EV charging station	**Photos**
Airside : Terminal 1 : stand 74 (Oct 2024) 1# : Exicom 240 KW X1 ultra-fast charger for buses	
Airside :Terminal 2 : 1# : Mindra 240 KW X 1 ultra fast charger (CCS-II dual gun DC charger for E4W, bus) (July 2023)	
Airside :Terminal 2 1# Exicom 60 KW X1 fast charger for cars (CCS-II dual gun DC charger for E4W) (July 2023)	
At landside : Near terminal 4 (Near ATC tower) 1#: 3.3X3 kW slow charger (10kW AC001 Charger for e2W, e3W & e4W) (Aug 2023)	

Locations and capacity of the EV charging station	Photos
At landside : Near terminal 4 (Near ATC tower): 1 #: Mindra 60 X1 KW fast charger (CCS-II dual gun DC charger for E4W)	
At landside : Near terminal 4 (Near ATC tower) 1#: Mindra 40 KW X 1 fast charger (GB/T-dual gun DC charger for E4W)	
At ICT : parking area 1# 30kW CCS-II single gun DC Charger for e4W (Nov 2024)	
At ICT : parking area 1#: 10kW AC001 Charger for e2W, e3W & e4W (Nov 2024)	

Annexure- 1726

GUJARAT POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN
Sector-10-A, **Gandhinagar** 382010
Phone : (079) 23222425
(079) 23222152
Fax : (079) 23232156
Website : www.gpcb.gov.in

GPCB

Application For CTE After TOR

File No : GPCB/ (PCB ID. - 10150) 21153 CTE-58203 12/10/22

To,
M/s. Adani Ahmedabad International Airport Ltd (Old Name-Airport Authority Of India),
Plot No: Phase No:, SARDAR PATEL INTERNATIONAL AIRPORT, ,
City :AHMEDABAD ,
Dist : Ahmedabad ,
Taluka : Ahmedabad

Sub: Consent to Establish (After obtaining Terms Of Rrference For Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

Ref: (1) Your online application No. 265531 dated 26/09/2022

(2) TOR issued by Central Authority vide their letter no. 21-36/2022-IA-III Dated 29/03/2022

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish (After obtaining Terms Of Rrference For Environment Clearance) under Section 25 of Water Act 1974 and Section 21 of Air Act 1981** for manufacturing of products as mentioned into the application of Environment Clearance (EC) for which TOR is granted vide letter under reference no (2) above.

Consent To Establish Is Granted Subject To The Following Conditions: -

1) The validity period of this CTE shall be Seven Years from the issue of this order.
2) Applicant shall strictly comply with all conditions stipulated by competent authority in the order of Environment Clearance to be issued in reference to TOR issued vide letter under reference No. : 2 above.
3) The applicant shall however , not without the prior concern of the Board. Bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the water Act - 1974, the Air - 1981 and the Environment (Protection) Act - 1986.

For and on behalf of
Gujarat Pollution Control Board

Dr. Tallika Patel
ROH - Ahmedabad (City)

- This order is issued to **Plot No: Phase No:, SARDAR PATEL INTERNATIONAL AIRPORT, , City :AHMEDABAD, Dist : Ahmedabad, Taluka : Ahmedabad (10150)** for CTE amendment after obtaining EC.

3.0 DATA ANALYSIS

Half yearly Environmental monitoring during month of ***October 2024 to March 2025*** consisted of collection and analysis of samples of various environmental attributes like

- Ambient air quality for Primary Pollutants
- Ambient Air Quality for 12 Parameters as NAAQ Notification

The collected samples have been analyzed and the data has been compiled and presented in this Chapter.

3.1 Ambient Air Quality

Sampling was carried out twenty-four hours at each station every month during the study period using pre-calibrated Respirable Dust Samplers. In each of the stations earmarked, samples were collected for Sulphur Dioxide (SO_2), Nitrogen Dioxide (NO2), Ground Level Ozone as O3 , Carbon Monoxide as CO, Hydro Carbons Respirable Particulate Matter PM2.5 & PM10 were collected at twenty four hourly intervals and same were sent to field Laboratory for analysis. The Analysis Results are Presented in **Table - 3.1 to Table-3.5.**

And Rest of the parameters as per National Ambient Air Quality Notification 2009(NAAQ). Were monitored once in every Quarter in each location. And the Results presented in **Table-3.6.**

TABLE - 3.1
AMBIENT AIR QUALITY DATA STP COLONY-AIR SITE

Date of Sampling	Location Code: AAQ1						
	Location Name: Near STP Colony-Air Site						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
01.10.2024	35.48	68.77	23.1	24.44	10.1	514	BDL
04.10.2024	34.1	67.7	23.93	25.82	13.8	518	BDL
08.10.2024	35.36	69.48	23.03	24.72	13.5	525	BDL
12.10.2024	34.38	66.26	22.36	24.17	13.2	520	BDL
15.10.2024	36.48	69.9	22.5	24.99	13.5	529	BDL
18.10.2024	35.77	68.15	23.4	25.4	13.7	524	BDL
22.10.2024	34.49	65.26	24	26.09	14.9	529	BDL
25.10.2024	36.08	67.79	24.37	26.68	14.1	521	BDL
29.10.2024	37.85	70.32	23.55	25.82	14.6	514	BDL
01.11.2024	35.61	68.11	23.14	25.06	14.1	506	BDL
05.11.2024	37.89	70.24	24.08	25.75	13.4	510	BDL
08.11.2024	39.24	73.78	22.99	26.2	13.6	514	BDL
12.11.2024	38.42	72.11	22.11	25.06	13.2	508	BDL
15.11.2024	36.89	68.59	23.12	25.97	13.5	513	BDL
19.11.2024	39.05	70.21	23.91	26.2	13.8	524	BDL
22.11.2024	38.78	69.14	24.4	26.66	13.4	529	BDL
26.10.2024	40.04	70.89	23.69	26.2	13.8	534	BDL
29.11.2024	41.86	72.15	24.24	26.66	14.2	536	BDL
03.12.2024	40.12	70.88	23.26	25.98	13.8	532	BDL

Date of Sampling	Location Code: AAQ1						
	Location Name: Near STP Colony-Air Site						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
06.12.2024	42.7	74.28	24.12	25.06	14.2	535	BDL
08.12.2024	44.25	75.77	22.82	24.61	14.5	529	BDL
10.12.2024	43.25	72.69	23.51	25.52	14	523	BDL
13.12.2024	44.08	74.48	22.94	25.97	14.3	519	BDL
17.12.2024	42.56	72.3	23.65	26.43	14.6	523	BDL
20.12.2024	43.25	73.59	23.02	25.75	15.1	529	BDL
24.12.2024	44.3	75.24	22.6	25.06	14.7	524	BDL
27.12.2024	45.53	77.16	23.65	25.97	14.3	518	BDL
31.12.2024	43.04	74.58	24.22	26.43	14	525	BDL
03.01.2025	40	76.41	23.4	25.52	13.4	504	BDL
07.01.2025	38.79	73.14	24.16	26.2	13.8	509	BDL
10.01.2025	41.55	77.8	23.61	25.52	14.2	521	BDL
14.01.2025	40.08	76.21	24.36	26.43	14.8	512	BDL
17.01.2025	42.36	78.91	25.12	27.34	15.3	529	BDL
21.01.2025	41.04	75.26	24.04	26.2	15	524	BDL
24.01.2025	39.89	74.38	24.61	26.89	14.5	532	BDL
28.01.2025	40.2	78	25.55	27.11	14.1	522	BDL
31.01.2025	42.3	80.15	26.04	27.8	14.8	540	BDL
04.02.2025	40.94	77.23	24.91	27.05	14.2	528	BDL
07.02.2025	39.26	79.07	24.03	26.34	14.8	535	BDL
11.02.2025	38.45	76.4	25.23	27.28	15.1	511	BDL
14.02.2025	40.47	79.77	23.98	25.87	14.5	507	BDL
18.02.2025	38.2	74.1	23.07	25.17	14.1	519	BDL
21.02.2025	40.05	77.84	23.55	25.64	13.3	526	BDL
25.02.2025	36.3	75.84	24.17	26.11	13.5	521	BDL
28.02.2025	39.44	78.08	23.57	26.58	12.9	532	BDL
04.03.2025	38.12	76.32	23.09	25.64	13.4	524	BDL
07.03.2025	38.46	77.08	23.38	25.81	12.9	520	BDL
11.03.2025	37.51	76.28	23.05	24.18	12.6	518	BDL
14.03.2025	37.34	76.02	23.13	24.01	12.5	515	BDL
18.03.2025	37.49	76.15	23.2	24.35	12.6	517	BDL
21.03.2025	37.85	76.42	23.52	24.69	12.8	518	BDL
23.03.2025	39.32	77.89	22.88	24.17	13.4	514	BDL
25.03.2025	35.36	74.89	24	25.54	12.4	522	BDL
28.03.2025	36.94	77.48	23.18	24.72	13.1	528	BDL
Minimum	**34.1**	**65.26**	**22.11**	**24.01**	**10.1**	**504**	**BDL**
Maximum	**45.53**	**80.15**	**26.04**	**27.8**	**15.3**	**540**	**BDL**
Average	**39.23**	**73.83**	**23.68**	**25.76**	**13.81**	**521.72**	**BDL**
98%le	**29.4**	**60.43**	**14.47**	**18.96**	**12.54**	**585.4**	**BDL**
NAAQ Standards for 24 Time weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

TABLE – 3.2
AMBIENT AIR QUALITY DATA AT Near AMU Behind T4

Date of Sampling	Location Code: AAQ2						
	Location Name: Near AMU Behind T4-Air Site						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
1.10.2024	32.85	61.19	22.5	25.27	12.4	502	BDL
04.10.2024	29.89	56.6	22.88	26.09	12.9	504	BDL
08.10.2024	31.05	59.77	23.48	25.27	12.4	505	BDL
12.10.2024	32.32	61.08	23.1	24.44	12.8	508	BDL
15.10.2024	31.25	59.9	24	25.27	13.1	504	BDL
18.10.2024	33.57	63.25	24.3	25.82	12.8	508	BDL
22.10.2024	31.25	62.49	23.25	25.27	13.2	504	BDL
25.10.2024	32.49	64.26	23.78	25.82	13.4	506	BDL
29.10.2024	31.04	62.85	22.95	24.99	13.8	512	BDL
01.11.2024	29.84	59.1	22.11	24.38	13.4	501	BDL
05.11.2024	32.24	63.34	23.06	25.29	13.7	502	BDL
08.11.2024	31.03	61.16	22.26	24.61	13.1	513	BDL
12.11.2024	33.59	64.7	22.7	25.52	12.5	515	BDL
15.11.2024	35.41	66.2	23.85	26.2	12.8	517	BDL
19.11.2024	34.74	64.98	23.48	25.97	13.2	528	BDL
22.11.2024	35.59	66.3	24.12	26.43	13.6	523	BDL
26.11.2024	37.1	68.15	24.69	27.11	13.4	519	BDL
29.11.2024	36.45	67.74	24.38	26.43	13.8	522	BDL
03.12.2024	34.89	64.26	23.69	25.75	13.4	517	BDL
06.12.2024	36.23	65.89	24.84	26.43	13.8	520	BDL
08.12.2024	37.74	67.26	24.1	26.2	14.2	515	BDL
10.12.2024	35.89	64.6	24.79	26.66	14.7	507	BDL
13.12.2024	34.11	61.89	21.95	25.75	14.7	508	BDL
17.12.2024	35.48	64.26	22.52	25.29	14.3	502	BDL
20.12.2024	34.65	63.33	21.74	24.84	14.5	506	BDL
24.12.2024	36.12	65.6	22.31	25.52	14.6	500	BDL
27.12.2024	34.56	62.46	23.09	26.43	14.2	507	BDL
31.12.2024	37.21	64	23.94	26.89	14.6	515	BDL
03.01.2025	38.04	67.3	22.83	25.97	13.7	508	BDL
07.01.2025	35.89	64.49	23.39	25.06	14.9	517	BDL
10.01.2025	37.08	68.11	24.47	26.2	14.2	526	BDL
14.01.2025	34.04	65.29	23.94	25.29	13.8	521	BDL
17.01.2025	32.28	63.49	22.73	24.61	13	503	BDL
21.01.2025	34.78	66.69	22.03	24.15	12.4	489	BDL
24.01.2025	33	62.8	22.88	24.84	12.8	501	BDL
28.01.2025	35.58	65.2	23.69	25.52	13.6	509	BDL
31.01.2025	36.9	67.19	24.18	25.97	14	515	BDL
04.02.2025	34.77	64.44	23.32	25.4	13.7	519	BDL
07.02.2025	32.41	62.26	22.71	24.93	13.5	514	BDL
11.02.2025	34.09	64	23.85	25.87	14.1	503	BDL
14.02.2025	36.88	67.64	22.52	24.93	13.7	514	BDL
18.02.2025	34.59	65.37	21.73	23.99	13.2	530	BDL
21.02.2025	36	67.08	24.22	24.46	13.6	534	BDL
25.02.2025	34.46	68.79	22.95	23.99	14.2	538	BDL
28.02.2025	33.08	64.7	22.35	23.52	14.5	521	BDL
04.03.2025	34.59	67.4	23.09	24.49	14.2	529	BDL
07.03.2025	35.01	67.58	23.15	24.51	14.4	530	BDL
11.03.2025	34.95	66.21	22.65	24.12	14.2	527	BDL

Date of Sampling	Location Code: AAQ2						
	Location Name: Near AMU Behind T4-Air Site						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
14.03.2025	34.57	65.84	22.79	23.68	14	526	BDL
18.03.2025	35.02	65.99	22.87	23.91	14.3	528	BDL
21.03.2025	35.26	66.15	23.05	24.42	14.5	530	BDL
23.03.2025	34.05	64.1	22.43	23.62	14.1	510	BDL
25.03.2025	32.16	63.22	22.8	24.44	14	538	BDL
28.03.2025	33.37	64.86	22.4.3	23.62	13.6	529	BDL
Minimum	**29.84**	**56.6**	**21.73**	**23.52**	**12.4**	**489**	**BDL**
Maximum	**38.04**	**68.79**	**24.84**	**27.11**	**14.9**	**538**	**BDL**
Average	**34.29**	**64.50**	**23.22**	**25.21**	**13.69**	**514.80**	**BDL**
98%le	**28.3**	**53.26**	**13.35**	**16.42**	**11.13**	**532**	**BDL**
NAAQ Standards for 24 Time weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

TABLE-3.3
AMBIENT AIR QUALITY DATA MEGHANI NAGAR

Date of Sampling	Location Code: AAQ3						
	Location Name: Near MEGHANI NAGAR						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
01.10.2024	27.16	57.49	13.8	16.2	10.7	457	BDL
04.10.2025	25.13	54.84	14.95	16.48	11.2	461	BDL
08.10.2024	26.04	55.63	15.65	17.03	11.5	465	BDL
12.10.2024	25.46	54.54	15.05	16.2	11.7	462	BDL
15.10.2024	24.2	52.13	14.25	17.3	11.4	458	BDL
18.10.2024	25.6	54.59	13.65	16.48	11.1	451	BDL
22.10.2024	23.89	51.18	13.12	15.38	11.6	457	BDL
25.10.2024	25.14	53.49	14.21	16.2	11.8	452	BDL
29.10.2024	26.23	55.07	13.35	15.65	12.2	456	BDL
01.11.2024	24.46	52.2	12.74	15.04	11.5	449	BDL
05.11.2024	25.79	53.47	12.41	15.95	11.2	443	BDL
08.11.2024	27.05	56.12	13.24	16.4	11.7	448	BDL
12.11.2024	23.24	51.41	14.74	17.54	11.4	452	BDL
15.11.2024	27.46	57.31	13.61	15.93	12.2	447	BDL
19.11.2024	23.76	53.89	14.4	17.09	11.8	456	BDL
22.10.2024	25.32	55.24	13.78	16.63	12.1	453	BDL
26.10.2024	26.49	56.88	14.36	17.32	12.5	458	BDL
29.11.2024	27.88	58.21	14.97	18	12.8	455	BDL
03.12.2024	25	55.49	13.64	16.86	12.4	447	BDL
06.12.2024	25.86	57	14.79	17.54	12.7	451	BDL
08.12.2024	26.35	58.84	15.69	18.23	12.5	447	BDL
10.12.2024	27.69	59.72	16.43	18	12.7	450	BDL
13.12.2024	26.52	57.43	15.58	18.23	13.1	452	BDL

Date of Sampling	Location Code: AAQ3						
	Location Name: Near MEGHANI NAGAR						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
17.12.2024	27.98	59.05	15.01	17.54	13.4	456	BDL
20.12.2024	27.08	57.76	15.49	18	13.7	460	BDL
24.12.2024	28.35	60.22	14.78	17.32	13.4	458	BDL
27.12.2024	27.79	56.36	13.74	16.86	13.8	465	BDL
31.12.2024	28.96	58.11	14.3	17.54	13.4	462	BDL
03.01.2025	26.33	56.7	14.93	18	12.8	457	BDL
07.01.2025	28.4	59.94	14.26	18.68	13.2	461	BDL
10.01.2025	29.8	61.36	15.17	17.32	12.3	455	BDL
14.01.2025	26.36	57.13	14.59	16.4	12.7	464	BDL
17.01.2025	24.87	54.9	15.1	17.09	12.2	461	BDL
21.01.2025	26.07	57.48	14.02	16.18	12.7	457	BDL
24.01.2025	27.26	59.11	14.78	17.32	13.2	462	BDL
28.01.2025	28.5	58.4	13.93	18.23	12.4	470	BDL
31.01.2025	30.2	60.72	14.59	18.91	12.7	462	BDL
04.02.2025	28.2	56.84	13.86	17.64	12.4	459	BDL
07.02.2025	26.77	54.3	14.61	18.58	12.8	451	BDL
11.02.2025	27.4	55.7	13.72	17.64	12.4	447	BDL
14.02.2025	28.74	57.9	14.66	18.58	12.1	451	BDL
18.02.2025	25.3	55.08	15.42	18.82	11.5	443	BDL
21.02.2025	26.36	58.7	14.67	17.88	12.2	449	BDL
25.02.2025	25.14	55.06	15.53	18.58	12	443	BDL
28.02.2025	27.19	58.63	14.5	18.35	12.7	458	BDL
04.03.2025	26.57	57	13.5	17.64	12.1	453	BDL
07.03.2025	26.62	57.17	14.18	18.1	12.5	450	BDL
11.03.2025	26.45	56.83	13.86	17.64	12.2	448	BDL
14.03.2025	26.24	56.35	13.95	17.27	12	446	BDL
18.03.2025	26.52	56.53	14.02	17.54	12.3	449	BDL
21.03.2025	26.81	56.92	14.32	17.69	12.4	451	BDL
23.03.2025	25.46	55.38	14.95	16.48	12.1	453	BDL
25.03.2025	23.33	53.96	15.4	17.58	12.2	459	BDL
28.03.2025	24.5	55.43	14.5	17.3	12.6	458	BDL
Minimum	**23.24**	**51.18**	**12.41**	**15.04**	**10.7**	**443**	**BDL**
Maximum	**30.2**	**61.36**	**16.43**	**18.91**	**13.8**	**470**	**BDL**
Average	**26.43**	**56.43**	**14.42**	**17.30**	**12.30**	**454.54**	**BDL**
98%le	**29.4**	**60.43**	**14.47**	**18.96**	**12.54**	**585.4**	**BDL**
NAAQ Standards for 24 Time weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

TABLE-3.4
AMBIENT AIR QUALITY DATA AT NOBEL NAGAR

Date of Sampling	Location Code: AAQ4						
	Location Name: Near NOBEL NAGAR						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
01.10.2024	24.32	51.11	12.6	14.83	10.2	441	BDL
04.10.2024	25.89	52.36	13.61	15.65	10.9	443	BDL
08.10.2024	23.26	50.55	12.94	14.83	10.9	446	BDL
12.10.2024	22.04	48.25	13.41	15.38	11.2	449	BDL
15.10.2024	23.32	51.46	13.8	16.48	11.5	453	BDL
19.11.2024	22.74	50.42	13.25	15.04	11.2	439	BDL
22.10.2024	22.78	50.43	12.22	14.56	12.2	453	BDL
25.10.2024	21.04	47.71	12.86	15.11	12.5	459	BDL
29.10.2024	22.19	49.26	12	13.73	11.8	448	BDL
01.11.2024	21.31	46.71	11.42	12.99	11.4	443	BDL
05.11.2024	22.04	48.24	11.97	13.67	11.6	448	BDL
08.11.2024	23.56	50.27	12.8	14.35	11.2	452	BDL
12.11.2024	24.05	52.1	13.53	15.27	11.3	448	BDL
15.11.2024	25.36	54.24	14.02	15.95	11.5	443	BDL
19.11.2024	22.74	50.42	13.25	15.04	11.2	439	BDL
22.11.2024	22.09	48.7	14.07	15.95	11.5	443	BDL
26.11.2024	22.46	50.08	13.21	15.27	11.2	448	BDL
29.11.2024	23.79	52.14	14.12	15.95	11.6	452	BDL
03.12.2024	21.1	47.74	13.06	15.04	11.2	445	BDL
06.12.2024	22.86	48.83	13.93	15.72	11.1	451	BDL
08.12.2024	24.04	51.3	14.54	16.4	11.5	454	BDL
10.12.2024	25.34	52.63	13.6	15.95	11.7	457	BDL
13.12.2024	23.95	51.08	13.03	15.27	11.4	452	BDL
17.12.2024	24.5	53.66	13.88	15.72	11.8	455	BDL
20.12.2024	23.84	52.13	14.5	16.18	11.5	458	BDL
24.12.2024	25.08	53.89	13.93	15.72	11.3	454	BDL
27.12.2024	26.65	55.63	14.59	16.4	11.6	455	BDL
31.12.2024	27.48	56.8	14.16	15.49	12.1	448	BDL
03.01.2025	29.2	59.14	13.49	16.4	11.4	453	BDL
07.01.2025	27.04	55.74	12.69	16.86	11.7	461	BDL
10.01.2025	25.43	53.48	13.59	15.72	12.6	465	BDL
14.01.2025	27.7	55	14.45	15.95	12.2	460	BDL
17.01.2025	28.15	57.46	15.53	17.32	12.9	467	BDL
21.01.2025	26.32	55	16.02	18	12.3	458	BDL
24.01.2025	28.1	56.56	16.91	18.46	12.7	449	BDL
28.01.2025	26.3	51.1	16.22	17.54	13.6	459	BDL
31.01.2025	27.94	54.25	15.74	16.63	14.2	465	BDL
04.02.2025	26.3	51.18	14.66	16.23	13.4	454	BDL
07.02.2025	24.92	48.77	14.08	15.52	12.8	467	BDL
11.02.2025	25.63	49.46	13.32	14.82	12	477	BDL
14.02.2025	26.62	52.86	14.12	15.99	11.7	462	BDL
18.02.2025	28.16	54.39	14.75	16.46	11.1	469	BDL
21.02.2025	25.26	51.31	13.46	16.23	11.6	452	BDL
25.02.2025	27.49	54	14.04	16.7	11.3	458	BDL
28.02.2025	25.84	53.11	13.55	15.99	11.8	443	BDL

Date of Sampling	Location Code: AAQ4						
	Location Name: Near NOBEL NAGAR						
	Results(µg/m3)						
	$PM_{2.5}$	PM_{10}	SO_2	NO_2	Ozone	CO	HC
04.03.2025	24.23	51.69	12.69	15.05	11.5	448	BDL
07.03.2025	24.31	52.07	12.82	15.14	11.2	446	BDL
11.03.2025	24.42	51.68	12.56	14.97	11	444	BDL
14.03.2025	24.12	51.42	12.52	14.73	11.2	446	BDL
18.03.2025	24.35	51.61	12.58	14.94	11.5	448	BDL
21.03.2025	24.56	51.85	12.76	15.02	11.2	450	BDL
23.03.2025	22.95	48.7	13.16	15.38	11.4	447	BDL
25.03.2025	25.3	50.3	12.26	15.93	11.9	443	BDL
28.03.2025	25.89	52.29	13.46	16.48	11.7	451	BDL
Minimum	**21.04**	**46.71**	**11.42**	**12.99**	**10.2**	**439**	**BDL**
Maximum	**29.2**	**59.14**	**16.91**	**18.46**	**14.2**	**477**	**BDL**
Average	**24.75**	**51.90**	**13.62**	**15.67**	**11.70**	**452.19**	**BDL**
98%le	**29.4**	**60.43**	**14.47**	**18.96**	**12.54**	**585.4**	**BDL**
NAAQ Standards for 24 Time weighted Average	**60**	**100**	**80**	**80**	**100 (8hrs TWA)**	**2000**	**--**

TABLE-3.5
SUMMARY OF AMBIENT AIR QUALITY RESULTS

Station Code	Name of the Station	Parameters (µg/m³)															
		PM_{10}				$PM_{2.5}$				SO_2				NO_2			
		Min	Max	Avg	98th %	Min	Max	Avg	98th %	Min	Max	Avg	98th %	Min	Max	Avg	98th %
AAQ1	STP COLONY	65.26	80.15	73.83	60.43	34.1	45.53	39.23	29.4	22.11	26.04	23.68	14.47	24.01	27.8	25.76	18.96
AAQ2	AMU Behnd T4	56.6	68.79	64.50	53.26	29.84	38.04	34.29	28.3	21.73	24.84	23.22	13.35	23.52	27.11	25.21	16.42
AAQ3	Megani Nagar	51.18	61.36	56.43	60.43	23.24	30.2	26.43	29.4	12.41	16.43	14.42	14.47	15.04	18.91	17.30	18.96
AAQ4	Nobel Nagar	46.71	59.14	51.90	60.43	21.04	29.2	24.75	29.4	11.42	16.91	13.62	14.47	12.99	18.46	15.67	18.96
Range		46.71-80.15				21.04-45.53				11.42-26.04				12.99-27.8			
NAAQ Standards		100				60				80				80			

Station Code	Name of the Station	Parameters (µg/m³)											
		Ozono				CO				HC			
		Min	Max	Avg	98th %	Min	Max	Avg	98th %	Min	Max	Avg	98th %
AAQ1	STP COLONY	10.1	15.3	13.81	12.54	504	540	521.72	585.4	BDL	BDL	BDL	BDL
AAQ2	AMU Behnd T4	12.4	14.9	13.69	11.13	489	538	514.80	532.0	BDL	BDL	BDL	BDL
AAQ3	Megani Nagar	10.7	13.8	12.30	12.54	443	470	454.54	585.4	BDL	BDL	BDL	BDL
AAQ4	Nobel Nagar	10.2	14.2	11.70	12.54	439	477	452.19	585.4	BDL	BDL	BDL	BDL
Range		10.1-15.3				439-540				BDL			
NAAQ Standards		100				2000				--			

Conclusion:

The sampling is done in four locations for a sampling period of 24 hours.The observed PM2.5, PM10, SO2, NO2, O3 and CO were found to be well within the prescribed limits of Central Pollution Control Board (CPCB) for industrial and mixed uses

TABLE-3.6
RESULTS OF NAAQ PARAMETERS

Sr.No	Name of the Location	Date of Monitoring	NH_3 ($\mu g/m^3$)	C_6H_6 ($\mu g/m^3$)	B(a)P (ng/m^3)	Metals		
						Arsenic (ng/m^3)	Nickle (ng/m^3)	Lead ($\mu g/m^3$)
01	STP COLONY	08/12/2024	<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
02	AMU Behnd T4		<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
03	Megani Nagar		<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
04	Nobel Nagar		<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
NAAQ Standard.			**400**	**5.0 (Annual)**	**1.0 (Annual)**	**6.0 (Annual)**	**<20.0**	**1.0**

Sr.No	Name of the Location	Date of Monitoring	NH_3 ($\mu g/m^3$)	C_6H_6 ($\mu g/m^3$)	B(a)P (ng/m^3)	Metals		
						Arsenic (ng/m^3)	Nickle (ng/m^3)	Lead ($\mu g/m^3$)
01	STP COLONY	23/03/2025	<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
02	AMU Behnd T4		<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
03	Megani Nagar		<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
04	Nobel Nagar		<5.0	<0.001	<0.1	<0.1	<1.0	<0.1
NAAQ Standard.			**400**	**5.0 (Annual)**	**1.0 (Annual)**	**6.0 (Annual)**	**<20.0**	**1.0**

Annexure B45 : NOISE DATA ANALYSIS

Half Yearly Environmental monitoring during the month of **Oct-2024- March-2025** consisted of collection and analysis of samples of various environmental attributes like

1. Ambient Noise Level Monitoring.

1. Ambient Noise Levels

Noise levels were measured in 4 locations at in that 2 locations are within Airport Premises and 2 Locations are at outside of the Airport for 24 hours on monthly basis and the measured noise levels in daytime and nighttime from **Oct 2024 - March 2025** are given below in **Table-1**

TABLE-1
AMBIENT NOISE LEVEL MONITORING RESULTS

Sr. No.	Name of Locations	Noise Standards		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		March-25	
		Day	Night	L-Day	L-Night	L-Day	L-Night	L-Day	L-Night	L-Day	L-Night	L-Day	L-Night	L-Day	L-Night
1	T1 Arrival	**70**	**65**	62	61	64	60	67	58	67	62	65	60	66	56
2	Meghani Nagar	**65**	**55**	64	53	63	51	62	50	62	51	63	53	63	50
3	Nobel Nager	**55**	**45**	52	44	50	42	52	43	53	43	51	42	51	43
4	Airport Colony	**55**	**45**	51	42	50	42	52	41	52	44	53	43	49	42

Location	GPCB Norms dB(A)	Noise Level in day time (dB(A))					
		Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
T1 Arrival	Noise Standards for Airport Zone (70)	62	64	67	67	65	66
Meghni nagar	Noise Standards for Commercial Zone(65)	64	63	62	62	63	63
Nobel nagar	Noise Standards for Residential Zone (55)	52	50	52	53	51	51
Airport colony	Noise Standards for Residential Zone (55)	51	50	52	52	53	49
Minimum		51	50	52	52	51	49
Maximum		64	64	67	67	65	66
Half Yearly average		57.3	56.8	58.3	58.5	58.0	57.3

Location	GPCB Norms dB(A)	Noise Level in nighttime dB(A)					
		Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
T1 Arrival	Noise Standards for Airport Zone (65)	61	60	58	62	60	56
Meghni nagar	Noise Standards for Commercial Zone(55)	53	51	50	51	53	50
Nobel nagar	Noise Standards for Residential Zone (45)	44	42	43	43	42	43
Airport colony	Noise Standards for Residential Zone (45)	42	42	41	44	43	42
Minimum		42	41	41	43	42	42
Maximum		61	60	58	62	60	56
Half Yearly average		50.0	48.8	48.0	50.0	49.5	47.8

Conclusion:

The sampling is done in four locations for a sampling period of 24 hours. The observed L-Day; and L-Night Monitored Values were found to be well within the prescribed limits of Latest Notification on 18th June 2018- GSR 568(E).

Annexure B 72

Annexure B 72

Times of India

Aaftab represented by legal aid counsel

▶Continued from P1

Since Aaftab did not have a lawyer to represent him, he was represented by a legal aid counsel, Abinash Kumar.

Earlier in the day, police had moved an application in the court of metropolitan magistrate Shukla, claiming that some religious organisations and miscreants could attack Aaftab. Citing this threat to his life, police requested the court to allow his production through video conferencing. Another application was moved in the same court for extension of the accused's custody by 10 days.

The court allowed police to produce Aaftab through video conferencing at 4pm. "I am aware of the sensitivity of the case, the media traction and public sentiments," remarked the court while giving its nod. While requesting extension of Aaftab's remand, police said the investigation was at an initial stage and Aaftab had to be taken to Uttarakhand and Parvati Valley in Himachal Pradesh, too, where he had travelled with Walkar in April this year before they both arrived in Delhi.

Police told the court the accused was trying to mislead and that he had still not identified the shop from where he bought the murder weapon. It argued that his custody was needed to collect more evidence and solve the case.

Interestingly, even as the court allowed the application for video conferencing and everyone kept waiting for the virtual hearing to begin on the judge's regular link, the matter was heard privately on a separate link. No one, including the media, was given access to the link. Only the cops and respective lawyers were given access.

Meanwhile, about 100 lawyers gathered outside the court of metropolitan magistrate Shukla and shouted slogans demanding the death sentence for Aaftab.

Police clearance for Saudi visa no longer required

New Delhi: Indian nationals will no longer be required to submit a police clearance certificate for obtaining a visa for travelling to Saudi Arabia, the embassy of that country announced on Thursday. According to a statement issued by the Saudi Embassy, the decision has been taken as part of efforts of the two countries to further strengthen relations and taken "in view of the strong relations and strategic partnership between the Kingdom of Saudi Arabia and India". PTI

'SC deprived of assistance from Centre in Rajiv case'

▶Continued from P1

"This deprived the SC of vital assistance from the Union government, which had crucial facts going to the root of the matter. If the Union government was heard by the SC, it would have ex facie demonstrated the distinction between the May 18 order releasing Perarivalan and the November 11 order releasing six others.

"The said facts were in the possession of the Union of India but could not be placed before the SC, to enable it to arrive at a correct judgment in the matter and to do complete justice in the peculiar and shocking facts and circumstances of the present case," the Centre said.

Dad had no role in Sheena case: Rahul Mukerjea

Mumbai: Peter Mukerjea's son Rahul told a special CBI court on Thursday that his father, an accused in the Sheena Bora murder case, was innocent. Responding to questions from Indrani Mukerjea's lawyer, Rahul, who was Sheena's fiance, said he believed his father was not aware of what was going on at that time. Rahul said even after Peter's arrest, he had consistently said his father was innocent. TNN

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Bhopal-462003 (M.P.) INDIA

No.MANIT/Acad./2022/314 Date:15.11.2022

ADMISSION NOTICE FOR Ph.D. PROGRAM

Maulana Azad National Institute of Technology, Bhopal (MANIT) invites applications for admission to **Ph.D. programs**.

For details, visit Institute website **www.manit.ac.in** and for application form visit **http://erp.manit.ac.in/ext/adm/login**

The last date for receiving duly completed application form is **11th December, 2022.**

DIRECTOR

RAJYA ANAND SANSTHAN
(An Autonomous Institution of Govt. of M.P., Anand Department)
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Rajya Anand Sansthan invites applications for appointment to various post on Deputation/Contract basis. The detail of posts, eligibility criterion, application format and other conditions are available on institute website **www.anandsansthanmp.in** The application in prescribed format can be submitted by registered post/speed post/e-mail **(anandsansthan@mp.gov.in)** by **19.12.2022, upto 5:30 P.M.**

Incomplete application or applications received after the due date and time, will not be considered.

M.P. Madhyam/107272/2022 **CHIEF EXECUTIVE OFFICER**

Public Notice

This is to bring to the public notice that M/s. Ahmedabad International Airport Ltd. Regd office at Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India has been accorded with "Environment Clearance for the Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA) to Enhance the Passenger Handling Capacity to 40.33 MPPA & Cargo Handling Capacity up to 1.0 MTPA., by State Level Environment Impact Assessment Authority (SEIAA), Gujarat, vide EC identification No EC22B029GJ165952, File no SIA/GJ/134807/2022 dated 11th November 2022. The copy of the Environment clearance letter is available with the Gujarat Pollution Control Board and also seen on the website of Ministry of Environment, Forest and Climate Change at https://www.moef.nic.in and on website of M/s. Ahmedabad International Airport Ltd. at https://www.adani.com/svpia-ahmedabad-airport/downloads

NATIONAL RAIL AND TRANSPORTATION INSTITUTE(NRTI)
(A Deemed to be University, funded by Ministry of Railways Govt. of India)
NAIR Campus, Lalbaug, Vadodara 390004

No. NRTI/2022/DP/01 **Date: 16/11/2022**

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Qualification and Experience	B.E/ B.Tech. in Civil / Electrical Engineering with first class or its equivalent Grade in the CGPA / UGC 7-point scale with good academic record from a recognized University/ Institute. Should be well acquainted with Govt bidding process, managing projects and supervision of construction/ electrical installation activities. Experience: Five years' regular service as Assistant Engineer in Level 10 or equivalent. Retired from Govt/ PSUs with Experience in Construction and Maintenance Mgt.
Engagement Modalities	On Contract for 3 years
Compensation	As per govt of india rules for superannuated employee

For further details and to **download application form**, please visit our website, **www.nrti.edu.in. Duly filled physical application to reach us by 17.00 hrs on 15/12/2022**

Note - Application cover may be written "application For the post of ——— ——— and shall be reached at the office of Registrar NRTI Vadodara, 390004 before closing date. Late application will be rejected and will not considered for any purpose.

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On Behalf of ICICI Bank Ltd., Khodana Branch

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Branch Manager, Khodana Branch

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Department of Pension & Pensioners' Welfare distributed DLCs at SBI



The Department of Pension & Pensioners' Welfare, Ministry of Personnel, Public Grievances and Pensions, Government of India has launched a nation-wide campaign for promotion of Digital Life Certificate for central government pensioners. In this series, a central government team comprising of Dr Pramod Kumar, director; and Nanarayan Meena, ASO, Department of Pension & Pensioners' Welfare conducted an awareness campaign on November 15, 2022, at SBI, Administrative Office, C N Vidyalaya, Ambawadi and other branches of State Bank of India in Ahmedabad. More than 100 pensioners participated in the campaign enthusiastically, and expressed pleasure and satisfaction at the introduction of this new technology. Many super senior pensioners also attended the camp. These pensioners were ably guided by V N Sarma, deputy general manager, Ambawadi branch; and other officers on the procedure for downloading the Face Authentication Jeevan Pramaan App in their mobile phones and submitting Life Certificate from their phones.

राष्ट्रीय मात्स्यिकी विकास बोर्ड
National Fisheries Development Board
मत्स्यपालन, पशुपालन और डेयरी मंत्रालय / Ministry of Fisheries, Animal Husbandry & Dairying
भारत सरकार / Government of India

Advt No: NFDB/D2/FIOF/General communication-II/2021-2022 Dtd: 18-11-2022

NOTIFICATION

National Fisheries Development Board (NFDB), an autonomous organization under the administrative control of Department of Fisheries, Ministry of Fisheries, Animal Husbandry & Dairying, Government of India, invites applications for the post of **Monitoring & Evaluation Expert** purely on short term contract basis, to work at NFDB Hyderabad. Interested candidates can download the detailed notification, eligibility criteria, other terms and conditions and application format, from NFDB website i.e. http://nfdb.gov.in. The last date for submission of application is 20.12.2022 by 5 PM.

Sd/-

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Gujarat Samachar

સરકારે આપેલા વચનો પુરા ન કર્યા : કિસાન મોરચા

કેન્દ્રએ વિશ્વાસઘાત કર્યો : ૨૬મીએ ખેડૂતો દેશભરમાં રાજભવનો ઘેરશે

નવી દિલ્હી, તા. ૧૭

એક વર્ષથી પણ વધુ સમય સુધી ખેડૂતોએ પોતાની વિવિધ માગણીઓ સાથે આંદોલન કર્યું હતું, જોકે તે સમયે સરકારે વચનો આપ્યા હતા કે તે ખેડૂતોની માગણીઓ સ્વિકારવા તૈયાર છે. આટલો સમય વીતી ગયો હોવા છતા માગો અધુરી રહી ગઈ હોવાનો આરોપ લગાવીને ખેડૂતો ફરી આંદોલન કરવાની તૈયારીમાં છે. આ સાથે જ આગામી ૨૬મી નવેમ્બરના રોજ સંયુક્ત કિસાન મોરચા દ્વારા સમગ્ર દેશના રાજભવન સામે ધરણા કરશે.

૧થી ૧૧ ડિસેમ્બર સુધી સાંસદોના કાર્યાલયોનો ઘેરાવ કરાશે, કૃષિ કાયદા રદ થતા ૧૯મીએ વિજય દિન ઉજવાશે

જ્યારે ૧૯મી નવેમ્બરને ખેડૂતો વિજય દિવસ તરીકે પણ ઉજવશે, કેમ કે આ તારીખે જ કેન્દ્ર સરકારે કૃષિ કાયદાઓને પરત લઇ લીધા હતા. આ સાથે જ હવે રાજ્યસભા અને લોકસભાના સાંસદોના કાર્યાલયો કે ઓફિસનો ઘેરાવ કરવાનું આયોજન પણ ખેડૂતોએ બનાવ્યું છે. જેના ભાગરુપે આગામી પહેલી ડિસેમ્બરથી ૧૧મી ડિસેમ્બર સુધી ખેડૂતો દેશભરમાં સાંસદોના કાર્યાલયો કે ઓફિસની સામે દેખાવો યોજશે. આગામી આઠમી ડિસેમ્બરના રોજ ખેડૂતો દ્વારા એક બેઠક બોલાવાઇ છે જેમાં ભવિષ્યની નીતિઓ પર ચર્ચા કરવામાં આવશે.

સંયુક્ત કિસાન મોર્ચાના નેતા દર્શન પાલ દ્વારા પ્રેસ કોન્ફરન્સમાં આ એલાન કરવામાં આવ્યું હતું, તેઓએ જણાવ્યું હતું કે કેન્દ્ર સરકારે દેશના ખેડૂતોની સાથે વિશ્વાસઘાત કર્યો છે. કેમ કે સરકાર અમારી માગોને લઇને આપેલા વચનોને લઇને હવે ફરી ગઇ છે અને તેના પર ધ્યાન નથી આપી રહી. ગયા વર્ષે ખેડૂતોને કેન્દ્ર સરકાર દ્વારા લેખીતમાં ખાતરી આપવામાં આવી હતી કે ટેકાના ભાવની કાયદેસર ગેરંટી આપવામાં આવશે અને તે માટે કાયદો ઘડાશે. સાથે જ ઇલેક્ટ્રિસિટી બિલ પરત લેવુ વગેરેનો પણ સમાવેશ થાય છે. ખેડૂતો સામેના આંદોલન સમયે થયેલા કેસો પરત લેવા વગેરેમાંથી એક પણ માગણી સરકાર પુરી નથી કરી શકી.



કેન્દ્રીય માર્ગ,મકાન અને હાઇવે પ્રધાન નીતિન ગડકરી પશ્ચિમ બંગાળમાં ભાષણ આપવા દરમિયાન સુગર લેવલ ઘટી જવાના લીધે પડી ગયા હતા. તેમને તાત્કાલિક પ્રાથમિક સારવાર આપવામાં આવી હતી અને તેમની સ્થિતિ સારી છે. પશ્ચિમ બંગાળના મુખ્યમંત્રી મમતા બેનરજીએ પણ તેમની તબિયતની પૂછપરછ કરી હતી.

સંઘના જનરલ સેક્રેટરી અરુણ કુમારનો દાવો

નક્સલીઓ, કટ્ટરવાદીઓએ હિન્દુત્વ સામે ઇકોસિસ્ટમ તૈયાર કરી

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રાષ્ટ્રીય સ્વયમ સેવક સંઘના જનરલ સેક્રેટરી અરુણ કુમારે દાવો કર્યો હતો કે ભારત અને હિન્દુત્વની સામે ઇસ્લામિસ્ટ્સ અને નક્સલવાદીઓએ ઇકોસિસ્ટમ તૈયાર કર્યું છે. તેઓએ કહ્યું હતું કે કેન્દ્ર સરકારની શિક્ષણની નીતિ ઘણી સારી છે. પણ નક્સલવાદીઓ, માર્ક્સવાદીઓના વિચારોને કાઉન્ટર કરવું જરૂરી છે.

યોગ્ય શિક્ષણ દ્વારા હિન્દુ-ભારત વિરોધીઓના વિચારોનો જવાબ આપવો શક્ય હોવાનો દાવો

આરએસએસના જનરલ સેક્રેટરી અરુણ કુમારે વધુમાં જણાવ્યું હતું કે કેન્દ્ર સરકારની નવી શિક્ષણ નીતિ ઘણી સારી છે પણ ડાબેરીઓ અને ઇસ્લામિસ્ટ્સ દ્વારા જે ભ્રમ ફેલાવવામાં આવી રહ્યા છે તેનો જવાબ આપવાની જરૂર છે.

ભારતમાં ઇજ્યુકેશન સિસ્ટમ પર રાષ્ટ્રીય સ્વયમ સેવક સંઘના શિક્ષા સંસ્કૃતિ ઉત્થાન ન્યાસ દ્વારા આયોજન કરવામાં આવ્યું હતું.

તેઓએ જણાવ્યું હતું કે સંઘના વિચારોનો જ્યારે સ્વિકાર કરવામાં આવી રહ્યો હોય ત્યારે બીજી તરફ નક્સલીઓ, ઇસ્લામિસ્ટ્સ અને વૈશ્વિક મુડીવાદ દ્વારા એક ઇકોસિસ્ટમ તૈયાર કરવામાં આવી છે કે જેનો ઉપયોગ કરીને તેઓ પોતાના વિચારોને મુખ્ય પ્રવાહમાં લોકોની વચ્ચે ફેલાવે છે. અને તેથી તેનું કાઉન્ટર કરવાની જરૂર છે.

ખાસ કરીને શૈક્ષણિક સંસ્થાઓ દ્વારા આ શક્ય છે. જ્યારે આ કાર્યક્રમમાં હાજર કેન્દ્રીય કૃષિ મંત્રી નરેન્દ્ર તોમરે કહ્યું હતું કે આપણી શિક્ષણ નીતિ બીજાને મદદ કરવાનું શીખવે છે.

સરકારને અલ્હાબાદ હાઇકોર્ટ સાથે ચર્ચા કરવા ભલામણ

ગુજરાતના કોર્ટ ઇન્ફ્રાસ્ટ્રક્ચરથી બધા જ પ્રભાવિત છે : સુપ્રીમ કોર્ટ

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ઉત્તર પ્રદેશમાં કોર્ટના બાંધકામને લગતી એક અરજી સુપ્રીમ કોર્ટમાં પહોંચી છે. એ સંદર્ભમાં સુનાવણી વખતે ઉત્તર પ્રદેશ સરકારે કહ્યું હતું કે ગુજરાતમાં કોર્ટોનું બાંધકામ વધુ સારું છે. એના જવાબમાં સુપ્રીમ કોર્ટે કહ્યું હતું કે બધા ગુજરાતના કોર્ટ ઇન્ફ્રાસ્ટ્રક્ચરથી પ્રભાવિત છે.

કોર્ટોના બાંધકામને વધારે સારું બનાવવા માટે ગુજરાત મોડેલ અપનાવવાની યુપી સરકારની સુપ્રીમમાં રજૂઆત

ઉત્તર પ્રદેશમાં વેપાર-વાણિજ્યને લગતા કેસનો નિવેડો લાવવા માટે બની રહેલી કોર્ટો તેમ જ અન્ય નવી બની રહેલી કોર્ટોના બાંધકામ માટે ગુજરાતના મોડેલને અનુસરવાની રજૂઆત ઉત્તર પ્રદેશની સરકારે સુપ્રીમ કોર્ટમાં કરી હતી. સુપ્રીમ કોર્ટને યુપી સરકારના એડિશ્નલ એડવોકેટ જનરલે કહ્યું હતું કે સરકારના અધિકારીઓએ અમદાવાદ-વડોદરામાં કોર્ટની મુલાકાત લીધી હતી અને એ કોર્ટોનું બાંધકામ વધારે સુવિધાજનક જણાયું હતું.

એ સંદર્ભમાં સુપ્રીમના ન્યાયધીશ એમ. આર શાહ અને ન્યાયધીશ એમ. એમ. સુંદરેશની બેંચે કહ્યું હતું કે બધા જ ગુજરાતથી પ્રભાવિત છે. ગુજરાતના કોર્ટ ઇન્ફ્રાસ્ટ્રક્ચરથી પ્રભાવિત છે. સુપ્રીમ કોર્ટે એ મુદ્દે અલ્હાબાદ હાઇકોર્ટના મુખ્ય ન્યાયધીશ સાથે રાજ્ય સરકારને ચર્ચા કરવાની ભલામણ કરવાની સાથે સાથે ઉમેર્યું હતું કે રાજ્યમાં કોર્ટના ઢાંચાને વધારે કાર્યક્ષમ બનાવવા માટે જે કરવું પડે તે રાજ્ય સરકારે સત્વરે કરવું જોઇએ.

રાજ્ય સરકારે સુપ્રીમને ખાતરી આપી હતી કે ૧૦ જિલ્લાની ઓળખ કરીને શરૂઆત ત્યાંથી કરવામાં આવશે. બધી જ કોર્ટો માટે એક ડિઝાઇન તૈયાર થઇ ગઇ છે અને પાયલટ પ્રોજેક્ટ હાથ ધરવામાં આવી રહ્યો છે. હાઇકોર્ટ અને રાજ્ય સરકાર વચ્ચે એક સેતુ બનાવીને અદાલતની બાંધકામ અને વ્યવસ્થા કરવાનો નિર્દેશ આપ્યો છે. સુપ્રીમ કોર્ટમાં આ અંગેની સુનાવણી ૨૭ ડિસેમ્બરે થશે. અલ્હાબાદ હાઇકોર્ટ અને રાજ્ય સરકાર વચ્ચે કોર્ટની સંખ્યા વધારવા અને કેસનું ભારણ ઓછું કરવા મુદ્દે મતભેદો હતા. હાઇકોર્ટે જિલ્લા કક્ષાએ સ્ટ્રક્ચર બનાવવાની ભલામણ કરી હતી. સામે રાજ્ય સરકારે એ માટે આધુનિક ડિઝાઇન બનતી હોવાનું કહ્યું હતું, જે મુદ્દો હવે સુપ્રીમમાં પહોંચ્યો છે.

પત્નીના હત્યારા શ્રદ્ધાનંદની સુપ્રીમમાં અરજી

રાજીવ ગાંધીના હત્યારાઓની જેમ મને પણ જેલમુક્ત કરો

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સુપ્રીમ કોર્ટે પૂર્વ વડાપ્રધાન રાજીવ ગાંધીના હત્યારાઓને છોડી મુકતા, અન્ય કેસોમાં સજા ભોગવી રહેલા કેદીઓએ પણ પોતાને છોડી મુકવાની માંગ સાથે સર્વોચ્ચ અદાલતના દ્વાર ખખડાવ્યા છે. પોતાની પત્નીની હત્યા મામલે સજા ભોગવી રહેલ સ્વયંભુ સંત શ્રદ્ધાનંદે પણ પોતાને છોડી મુકવાની અરજી કરી છે.

પ્રાપ્ત થતી માહિતી અનુસાર, શ્રદ્ધાનંદે રાજીવ ગાંધીના હત્યારાઓને છોડી મુકતા સર્વોચ્ચ અદાલતના આદેશને પોતાનો આધાર બનાવીને અરજી કરી હતી.

તેમણે પોતાની અરજીમાં જણાવ્યું કે, તેમણે પેરોલ લીધા વિના જેલમાં ૨૯ વર્ષ વિતાવ્યા હોવાથી સમાનતાના કાયદાની રાહે તેમને છોડી મુકવા જોઇએ. ઉલ્લેખનીય છે કે, શ્રદ્ધાનંદને તેની પત્નીની હત્યાના ગુનામાં તેની કબુલાત બાદ ટ્રાયલ કોર્ટે ફાંસીની સજા સંભળાવી હતી.

શ્રદ્ધાનંદના વકીલે પોતાની અરજીમાં જણાવ્યું કે, તેમના અસીલની ઉંમર ૮૦ વર્ષથી વધુ છે અને તેઓ માર્ચ ૧૯૯૪થી જેલમાં બંધ છે. તેની ફાંસીની સજાને હાઇકોર્ટે પણ બરકરાર રાખી હતી.

ઓગસ્ટથી આદિવાસી વચ્ચે ચાલી રહેલી અથડામણ

સુદાનના દફુરમાં આદિવાસીઓ વચ્ચે અથડામણ : ૪૮નાં મોત, અનેક ઘાયલ

(પીટીઆઇ) ખારતોમ, તા. ૧૬

સૂડાનના અશાંત દફુર ક્ષેત્રમાં જનજાતીય સંઘર્ષોમાં ગત સપ્તાહમાં ઓછામાં ઓછા ૪૮ લોકોનાં મોત થયા છે તેમ શરણાર્થી અધિકારીએ એક નિવેદનમાં જણાવ્યું છે.

મધ્યસ્થતા કરવાના પ્રયત્ન કરી રહેલા લોકો પર અજ્ઞાત બંદૂકધારીઓના હુમલામાં ૨૪એ જીવ ગુમાવ્યો

ઓગસ્ટ પછી દફુરમાં આદિવાસીઓના જૂથો વચ્ચે અથડામણ શરૂ થઇ હતી. છેલ્લા કેટલાક મહિનાઓમાં થયેલા આદિવાસી સંઘર્ષોમાં સૂડાનના દક્ષિણ બ્લ્યુલાઇન પ્રાંતમાં ૩૫૦થી વધુ લોકોનાં મોત થયા છે.

માનવતાવાદી બાબતોના સમન્વય માટે સંયુક્ત રાષ્ટ્ર કાર્યાલય અથવા ઓસીએચએ અનુસાર ગયા બુધવારે મધ્ય દફુરમાં જુગુમા ગામની પાસે મિસેરિયા અને રેજિગેટ આદિવાસીઓ વચ્ચે સંઘર્ષ થયો હતો. ઓસીએચએએ જણાવ્યું છે કે સંઘર્ષમાં મધ્યસ્થતા કરવાના પ્રયત્ન કરી રહેલા લોકો પર અજ્ઞાત બંદૂકધારીઓએ ગોળીઓ ચલાવી હતી. જેમાં ૨૪ લોકોનાં મોત થયા હતાં. ઓસીએચએએ વધુમાં જણાવ્યું છે કે હજારો લોકો પાડોશી ગામ ટુકડુકામાં ભાગી ગયા હતાં. જેમાં મોટે ભાગે મહિલાઓ અને બાળકો સામેલ છે.

સેન્ટ્રલ દફુરમાં અધિકારીઓએ એક મહિનાની ઇમરજન્સી સ્થિતિ અને રાતનો કરફ્યુ લગાવી દીધો છે.

ત્રણ યુવકોની અટકાયત, પોલીસનો ખુલાસો

સરકારે જમીનનું વળતર ન આપતા યુવકોએ અમદાવાદ-ઉદયપુર રેલવે ટ્રેક ઉડાવ્યો

જયપુર, તા. ૧૭

ઉદયપુર અમદાવાદ રેલવે ટ્રેક પર વિસ્ફોટ કેસમાં પોલીસ દ્વારા એક સગીર સહિત ત્રણ લોકોની અટકાયત કરવામાં આવી છે. જોકે પ્રાથમિક તપાસમાં આશ્ચર્યજનક ખુલાસો થયો છે. તપાસમાં સામે આવ્યું છે કે આરોપીઓએ એટલા માટે આ વિસ્ફોટ કર્યો હતો કેમ કે તેમની જમીન કપાતમાં ગઇ તે પછી વળતર નહોતુ મળ્યું. પોલીસે જણાવ્યું હતું કે આરોપી યુવકોએ તપાસમાં દાવો કર્યો છે કે ભારતીય રેલવે અને હિન્દુસ્તાન ઝિંક લિ. દ્વારા અમારી જમીનનું સંપાદન કરીને લઇ લેવામાં આવી હતી, જોકે બદલામાં અમને નોકરી કે વળતર કઇ જ નહોતુ આપવામાં આવ્યું. જે ત્રણ આરોપીઓ છે તેમાં એક સગીર વયનો પણ છે.

આ યુવકોએ ઉદયપુર-અમદાવાદ રેલવે ટ્રેક પર એક માઇનોર વિસ્ફોટ કર્યો હતો. જે માટે તેઓએ વિસ્ફોટકોનો ઉપયોગ કર્યો હતો. પોલીસે હાલ જેની પાસેથી આ વિસ્ફોટક સામગ્રી ખરીદી હતી તેની પણ ધરપકડ કરી લેવામાં આવી છે. આરોપીઓના નામ ધુલ ચંદ મીણા, પ્રકાશ મીણા છે. જ્યારે અન્ય આરોપીનું નામ અંકુશ સુવાકલા છે. કે જેણે આ યુવકોને વિસ્ફોટક સામગ્રી વેચી હતી.

આપ નેતા સત્યેન્દ્રના જામીન નકારતી કોર્ટ

(પીટીઆઇ) નવીદિલ્હી,તા.૧૭

દિલ્હી કોર્ટે આપ નેતા સત્યેન્દ્ર જૈન અને અન્ય બે જણને મની લોન્ડરિંગ કેસમાં જામીન નકારી કાઢ્યા છે.

ન્યાયમૂર્તિએ વૈભવ જૈન અને અંકુશ જૈન સહિતના આરોપીઓ તેમજ ઇડી (એન્ફોર્સમેન્ટ ડિરેક્ટોરેટ)ની દલીલોને સાંભળ્યા પછી એમનો નિર્ણય બાકી રાખ્યો છે. સીબીઆઇએ ૨૦૧૭માં ભ્રષ્ટાચાર પ્રતિબંધ ધારા અંતર્ગત જૈન સામે નોંધેલા પ્રથમદર્શી ગુનાના આધારે ઇડીએ મની લોન્ડરિંગ કેસમાં આરોપીની અટક કરી છે. જૈને એમની સાથે જોડાયેલી ચાર કંપનીઓ મારફતે મની લોન્ડરિંગ કર્યું હોવાનો આરોપ છે.

સાઉદીની ભારતીયોને વિઝા માટે પોલીસ ક્લિયરન્સ સર્ટિફિકેટમાંથી મુક્તિ

નવી દિલ્હી, તા.૧૭

સાઉદી અરબે ભારતીયોને મોટી રાહત આપી છે. સાઉદી અરબે નિર્ણય લીધો છે કે, હવેથી ભારતીય નાગરિકોએ વિઝા લેવા માટે પોલીસ ક્લિયરન્સ પ્રમાણપત્ર આપવું પડશે નહીં. દિલ્હીમાં સ્થિત સાઉદી દૂતાવાસે ગુરૂવારે ટ્વીટ કરીને આ માહિતી આપી હતી. દૂતાવાસે પોતાના ટ્વીટમાં લખ્યું કે, સાઉદી અરબ અને ભારત વચ્ચેના મજબૂત સંબંધોને ધ્યાને લઇને સલ્તનતે ભારતીય નાગરિકોને પોલીસ ક્લિયરન્સ પ્રમાણપત્રમાંથી મુક્તિ આપવાનો નિર્ણય લીધો છે. સાઉદી દૂતાવાસે વધુમાં જણાવ્યું કે, તેઓ પોતાના દેશમાં શાંતિપૂર્ણ રીતે વસવાટ કરતા ૨૦ લાખ ભારતીયોના યોગદાનની સરાહના કરે છે.

જાહેર સૂચના

આથી જાહેર જનતા ને જણાવવા માં આવે છે કે રાજ્ય સરકાર તરફ થી મેસર્સ અમદાવાદ ઇન્ટરનેશનલ એરપોર્ટ લિમિટેડ, રજી. ઓફિસ અદાણી કોર્પોરેટ હાઉસ, શાંતિગ્રામ, વૈષ્ણો દેવી સર્કલ પાસે, એસજી હાઇવે, ખોડિયાર, અમદાવાદ-382421, ગુજરાત, ભારત ને સ્ટેટ લેવલ એન્વાયર્નમેન્ટ ઇમ્પેક્ટ એસેસમેન્ટ ઓથોરિટી (SEIAA) ગુજરાત, દ્વારા ઓળખ નં. EC22B029GJ165952, ફાઇલ નંબર SIA/GJ/134807/2022, તારીખ 11 નવેમ્બર 2022 અન્વયે સૂચિત સરદાર વલ્લભભાઇ પટેલ આંતર રાષ્ટ્રીય હવાઇ મથક (SVPIA) ની પેસેન્જર હેન્ડલિંગ ક્ષમતા વાર્ષિક 40.33 મિલિયન પેસેન્જર્સ (MPPA) અને કાર્ગો હેન્ડલિંગ ક્ષમતા વાર્ષિક 1.0 મિલિયન ટન (MTPA) સુધી વધારવા માટે પર્યાવરણીય મંજૂરી આપવામાં આવી છે. પર્યાવરણીય મંજૂરી પત્ર ની નકલ ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ પાસે ઉપલબ્ધ છે. તે મીનીસ્ટ્રી ઓફ એન્વાયરમેન્ટ, ફોરેસ્ટ એન્ડ ક્લાઇમેટ ચેન્જની વેબસાઇટ https://www.moef.nic.in અને મેસર્સ અમદાવાદ ઇન્ટરનેશનલ એરપોર્ટ લિમિટેડની વેબસાઇટ https://www.adani.com/svpia-ahmedabad-airport/downloads પર પણ જોવા મળશે.

પશ્ચિમ રેલ્વે

[illegible]

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જાહેર નોટીસ

અમદાવાદના મે. ફેમિલી કોર્ટ નં ૧ ના પ્રિન્સીપાલ જજશ્રી, એમ. એન. મન્સુરી સાહેબની કોર્ટમાં રૂમ નં. ૬૦૬, છઠ્ઠો માળ, સીટી સીવીલ એન્ડ કોર્ટ બિલ્ડીંગ, ભદ્ર, અમદાવાદ-૩૮૦૦૦૧

આંક-૧૨
F.S.No. ૯૮૨/૨૦૨૦
જા. નં. ૧૩૫૦/ ૨૦૨૨

અરજદાર : નિકીતા ભાવિન પટેલ, ઉં વં આ-૩૩ ધર્મે-હિન્દુ, ધંધો-ઘરકામ
રહેઠાણ : એ/૪૫, અંબાલાલ પાર્ક સોસાયટી, સોમેશ્વર પાર્ક-૩ની સામે, થલતેજ, અમદાવાદ
સામવાળા : ભાવિન છોટુભાઇ પટેલ, ઉં. વ. આ-૩૩ ધંધો-ફાઇનાન્સ અને જમીન દલાલીનો, ૨૪૨, દેવ આશિષ સોસાયટી, મોરા ભાગળ, રાંદેર સુરત

કલમ : હિન્દુ મેરેજ એક્ટની કલમ-૧૩ મુજબ છુટાછેડા મેળવવાની અરજી

આથી તમો સામાવાળાને આ સમન્સથી જણાવવામાં આવે છે કે તમારી સામે અરજદાર નિકિતા ભાવિન પટેલ, રહે. એ/૪૫ અંબાલાલ પાર્ક સોસાયટી, સોમેશ્વર પાર્ક-૩ ની સામે, થલતેજ, અમદાવાદ ઉપરોક્ત નંબરથી હિન્દુ મેરેજ એક્ટની કલમ-૧૩ મુજબ છુટાછેડાની અરજી કરી છે.

આથી આ જાહેર સમન્સ કાઢી ફરમાવવામાં આવે છે કે તમો સામાવાળા અરજીનો જવાબ આપવા તારીખ : ૨૯-૧૧-૨૦૨૨ ના રોજ સવારે ૧૧.૦૦ કલાકે આ કોર્ટ સમક્ષ હાજર થવું જો તેમ કરવામાં કસુર કરશો તો તમારે અરજદારે માંગેલ દાદ અંગે કોઇ કહેવું નથી તેમ [illegible]

આજ તારીખ ૧૪ માહે ઓક્ટોબર, સને ૨૦૨૨ના રોજ મારી સહી તથા કોર્ટનો સિક્કો કરી આપ્યા.

[illegible]

યુનિવર્સિટી કોર્ટ પરની સામાન્ય ચૂંટણીઓની જાહેરાત સ્ટેચ્યુટ-૫ (૪) અન્વયે
જાહેરાત ક્રમાંક : ૪૧/૨૦૨૨

[illegible]

નામાનિ/પાટણ/૩૯/૨૦૨૨

ઉત્તર પશ્ચિમ રેલવે

[illegible]

વેચાણ નોટીસ

ઓફિશિયલ લિક્વીડેટરની કચેરી, ગુજરાતની વડી અદાલત, કોર્પોરેટ બાબતોનું મંત્રાલય

[illegible]

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(ડી. એન. ચૌધરી) ઓફિશિયલ લિક્વીડેટર, ગુજરાતની વડી અદાલત

ગુજરાત રાજ્યના ચેરિટી કમિશનરશ્રીની કચેરી, બહુમાળી ભવન-૨, ત્રીજો માળ, ડ્રાઇવઇન રોડ, ગુરુકુળ પાસે, અમદાવાદ-૫૨ સને ૧૯૫૦ ના ગુજરાત સાર્વજનિક ટ્રસ્ટો બાબતના અધિનિયમની કલમ-૫૦-એ મુજબ

સ્કીમ અરજી ક્રમાંક : ૬૬/૨૦૨૨

ટ્રસ્ટનું નામ : શ્રી કાંતિલાલ અમીચંદ શાહ ધાર્મિક ટ્રસ્ટ, નોંધણી નં. એ/૩૯૬૨/અમદાવાદ.
અરજદાર : શ્રી મેલાપચંદ અમીચંદ શાહ તથા અન્ય ૨ વિરુદ્ધ સામાવાળા : કોઇ નથી

ઉપર જણાવેલ અરજદારોએ ગુજરાત રાજ્યના ચેરિટી કમિશનરશ્રીને સને ૧૯૫૦ ના ગુજરાત સાર્વજનિક ટ્રસ્ટો બાબતના અધિનિયમની કલમ-૫૦-એ મુજબ અરજી કરીને એવી દાદ માંગી છે કે, ઉપર જણાવેલા ટ્રસ્ટનો વહીવટ સુવ્યવસ્થિત રીતે ચાલે તે માટે ઉપરોક્ત ટ્રસ્ટની સ્કીમ (યોજના) ઘડવાની જરૂર છે.

તેથી સદરહુ ટ્રસ્ટમાં હિત ધરાવનાર સઘળાને આથી ખબર આપવામાં આવે છે કે સદરહુ ટ્રસ્ટની સ્કીમ ઘડવી કે કેમ? અને ઘડવી તો તે કેવી? વિગેરે બાબતો અંગે જે કાંઇ રજુઆત કરવી હોય તે લેખિત સ્વરૂપે ચેરિટી કમિશનરશ્રી, ચેરિટી કમિશનરશ્રીની કચેરી, બહુમાળી ભવન-૨, ત્રીજે માળ, ડ્રાઇવઇન રોડ, ગુરુકુળ પાસે, અમદાવાદને તારીખ : ૦૩-૧૨-૨૦૨૨ સુધીમાં જરૂરી આધાર પુરાવા અને સોગંદનામા સાથે બે નકલમાં રજૂ કરવા જણાવવામાં આવે છે. આ કામની સુનાવણી તારીખ : ૦૩-૧૨-૨૦૨૨ ના રોજ બપોરે ૧૨-૦૦ કલાકે રાખવામાં આવેલ છે. લેખિત રજૂઆત કરનારે ઉપર જણાવેલ સુનાવણી સમયે અત્રેની કચેરીમાં અચૂક હાજર રહેવું.

આજ તા. ૧૫-૧૧-૨૦૨૨ ના રોજ મારી સહી તથા કચેરીના સિક્કા સહિત આપી.

તૈયાર કરનાર: અર્પણ એ. પટેલ, ઇ/ચા. બેંચ ક્લાર્ક
સહી/- (વાય. એમ. શુક્લ) ચેરિટી કમિશનર, ગુજરાત રાજ્ય, અમદાવાદ.

Shirpur Shetkari Sahakari Sakhar Karkhana Ltd.

Shivaji Nagar, Dahiwad, Tal. Shirpur, Dist. Dhule - 425405 (Maharashtra)

E-TENDER NOTICE

Shirpur Shetkari Sahakari Sugar Factory Ltd., Shivajinagar, Dahiwad, Shirpur, Dist. Dhule is located on National Highway No.3, of 2500 Metric tonne per day factory for 20 years for Lease on E-tender form at https://eprocurement.synise.com from 17/11/2022 to 16/12/2022 evening available till 5.00 p.m. However, the tender fee is Rs.50,000/- and the deadline for uploading the tender will be 17/12/2022 at 5.00 p.m. Detailed terms and conditions are mentioned in the tender Form.

-: Contact :-

Shri. Madhavrao Patil, Chairman, Mob.: 9130179902, 9423888720

Shri. Dilipbhai Patel, Vice Chairman, Mob.: 9503999980, 7972521140

(Madhavrao Patil)
Chairman,
Shirpur Shetkari Sahakari Sugar Factory Ltd.,
Shivajinagar, Dahiwad, Shirpur, Dist. Dhule.

યુનિવર્સિટી કોર્ટ પરની સામાન્ય ચૂંટણીઓની જાહેરાત સ્ટેચ્યુટ-૫ (૪) અન્વયે
જાહેરાત ક્રમાંક : ૪૨/૨૦૨૨

યુનિવર્સિટી કોર્ટ પરની સામાન્ય ચૂંટણીઓ અંગે યુનિવર્સિટી કાર્યાલયની તારીખ : ૦૩ નવેમ્બર, ૨૦૨૨ના રોજ વર્તમાનપત્રોમાં કરવામાં આવેલ જાહેરાતના અનુસંધાનમાં આથી આ જાહેરાત દ્વારા જણાવવામાં આવે છે કે,

[illegible]

નામાનિ/પાટણ/૪૦/૨૦૨૨

Page - 2 of 2

Annexure-B.73

O/C

adani

AIAL/HSE/22-23/05

27.11.2022

To
The Deputy Municipal Commissioner (North Zone)
Rajiv Gandhi Bhavan,
Near Memco Cross Road, Naroda Rd,
Ahmedabad.

Subject: Submission of Environment Clearance and request to display it on the notice board of AMC for 30 days.

Ref : Environmental Clearance vide File no SIA/GJ/134807/2022 dated 11th November 2022

Dear Sir

This is to appraise you that Ahmedabad International Airport Ltd has obtained Environmental Clearance for the Proposed Capacity Expansion of Sardar Vallabhbhai Patel International Airport (SVPIA) to enhance the passenger handing capacity to 40.33 MPPA & cargo handling capacity up to 1.0 MTPA, by State Environment Impact Assessment Authority (SEIAA), Gujarat, vide EC identification No EC22B029GJ165952, File no SIA/GJ/134807/2022 dated 11th November 2022.

As per the Standard Condition B.10 (73), the copy of Environment Clearance is required to be submitted to the heads of local bodies, Panchayats and Municipal bodies, in addition to the relevant offices of Government for further display of the same.

In compliance to the above point, we hereby submit the final copy of Environment clearance to your office and further request you to display a copy of attached Environment Clearance on the notice board of Hansol, Asarva, Naroda, Kotarpur, Sejpurbodha and Sardarnagar for 30 days.

Yours Sincerely
For, Ahmedabad International Airport Limited

Hitarth Mankodi
Chief Airport Officer

CC : The Ward Officer, Sardarnagar Ward.

Ahmedabad International Airport Ltd
(Formerly known as Adani Ahmedabad International Airport Ltd)
Terminal-1 Building, 1st Floor
Sardar Vallabhbhai Patel International Airport
Ahmedabad 382 475
Gujarat, India
CIN: U63030GJ2019PLC110076

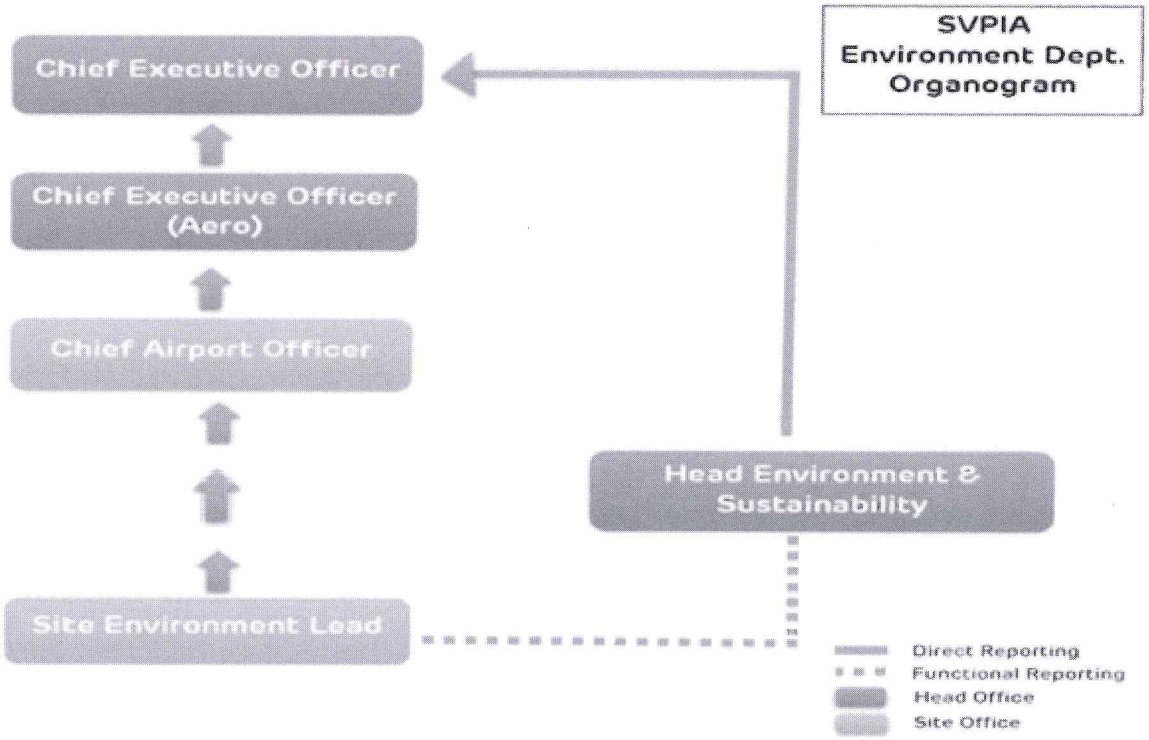
Tel. +91 79 2555 4700
Fax +91 79 2555 4700
adaniairports@adani.com

www.ahmedabad.adaniairports.com

Registered Office: Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad – 382 421

Environment management cell.

Site is having Head Environment to take care of Environment related functions. He reports to Head Operations and further reports to Chief Airport Officer who directly reports to the top management.



Corporate Head Environment & Sustainability and Site Environment Head are BE Environment and MSc in Environmental Science respectively and are having more than 20 years of experience in the field of environment respectively.

Annexure B.80

The Display board showing ambient air level parameters is provided at site.

