S.B. P. Patel Engineering College



Audit Report – 2022-2023 Environment, Energy and Green Campus

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ACKNOWLEDGEMENT

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We extend our gratitude to Mr. Dipak Patel (I/C Registrar), for his unwavering support and guidance. Without his assistance, the successful completion of this project would not have been possible. We also appreciate the active involvement of other staff members during data collection and field measurements.

INTRODUCTION

Nowadays, educational institutions are becoming more thoughtful towards the environmental, safety and sustainability aspects and as a result new and innovative concepts are being introduced to make them sustainable and eco-friendly. The activities carried out by the institution can also create adverse environmental impacts. To preserve the environment within the institution, several viewpoints are applied by a number of educational institutes to solve their environmental problems such as promotion of the saving the energy, waste recycle, water consumption reduction and water harvesting.

Green audit is defined as an official inspection of the effects a college has on the environment, safety and sustainability. Green Audit is conducted to evaluate the actual scenario at the institution campus. Green audit can be a useful tool for a college to determine how and where they are using most of the energy or water or resources; the College can then decide how to implement changes and make savings. It can also be used to determine the nature and volume of waste, which can be used for a recycling project or to improve waste minimization plan. Green auditing and the application of mitigation measures is a win-win situation for all the institutions, the learners, and mother earth. It can also result in health awareness and can promote environmental awareness, values and beliefs. It provides a better understanding to staff and students about the green impact on the institution. Green auditing also upholds financial savings through reduction of resource usage. It gives an opportunity to the students and teachers for the development of ownership of personal and social responsibility. The audit process involves primary data collection, site walk with the team of college including the assessment of policies, activities, documents and records.

VISION OF S. P. B. PATEL ENGINEERING COLLEGE

To nurture holistic development of individuals – professionally competent, socially responsible and spiritually aware.

MISSION OF S. P. B. PATEL ENGINEERING COLLEGE

To blend value education with scholastic pursuits to facilitate transformational learning and institutional excellence.

PURPOSE OF THE STUDY

The main purpose of the green audit is to promote Environment Management and Conservation in the Institute Campus. The purpose of the audit is to identify, quantify, describe and prioritize the framework of Environment Sustainability incompliance with the applicable regulations, policies and standards. The main purpose of Green Report is:

- To inculcate awareness among the students to real concerns of environment and its sustainability.
- To promote the concept of environmental conservation so as to minimize the extent of exploitation of resource use inside the campus.
- To ensure that the development of the campus fosters the concept of environmental sustainability and green campus.
- To establish baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requiring high cost.
- To bring out a status report on environmental compliance.

METHODOLOGY

The methodology adopted for this audit was a four-step process comprising of data collection, data analysis, best practices followed in the campus and recommendations and suggestions given to the organization to improve the greeneries practices further.

BUILDING DESIGN AND LANDSCAPING

1. Local building Regulations



The infrastructure is constructed in year 2006 with all applicable codes of civil engineering and also ensure that it provides comfort to the students and professors with the all basic requirements. Built-up spaces of institute meet all local building laws.

2. Greenbelt area

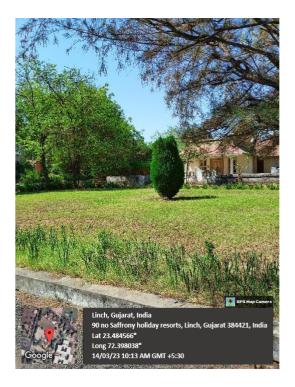
Institute has 405 m^2 area which is developed as greenbelt area, it prevents soil erosion and keeps the vicinity 2-3 degrees' cooler compared to other nearby open lands. Even though the proximity of the campus from one of the major State highways is low still the greenbelt acts as an excellent barrier to bypassing vehicular noise pollution.

This greenbelt area also reduces the overall temperature of the institute; instead of classrooms lectures are often comfortably conducted on open ground.

University have implemented below given measures for top soil preservation:

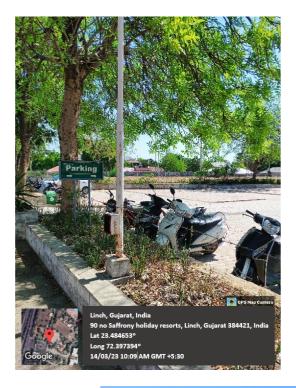
- Majority of campus is covered with natural green grass
- Big trees are planted surrounding the buildings and pathways

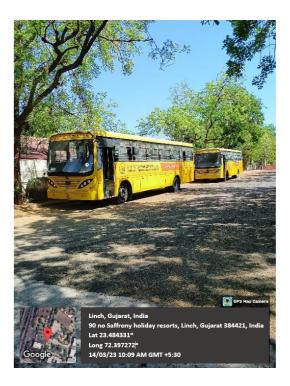




3. Parking facility

Institute has spacious parking area for the staff & faculty members. Surrounding parking facilities are covered with greenery. Institute has its own transportation facility for students, staff and faculty members covering the farthest routes ranging all the way from Mehsana to Ahmedabad.







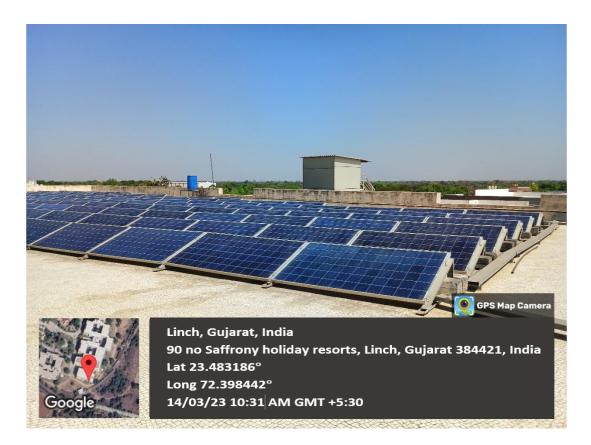
4. Minimize heat exposure to sun: non roof

- Institute has constructed building by saving existing large trees and designed building shape accordingly.
- Institute building surroundings are covered with large tree
- Prevent the heat exposure and also maintain the temperature of the overall area.



5. Minimize heat exposure to sun: roof

- All building roofs are covered with water proofing and china mosaic to reflect direct sunlight
- All building roofs are covered with roof top solar panels to avoid direct exposure of sun



6. Universal design

- All buildings have provision of ramps and lifts
- All classrooms and labs have flat surface for entry & exits of wheel chairs
- Washrooms has provision of all sanitary requirements





WATER MANAGEMENT PRACTICE

1. Water supply system

• Water source of the institute is bore well (1 no.), water flow meter is installed at bore well for the measurement of the water consumption on daily basis. There are three nos. of underground water storage tanks, water stored in storage tank and pumped to the other storage tank which are located at the building terrace, from there water supply to RO system. Then water is used for the drinking and other purposes.



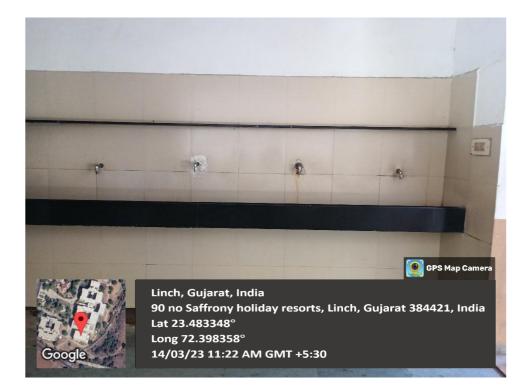






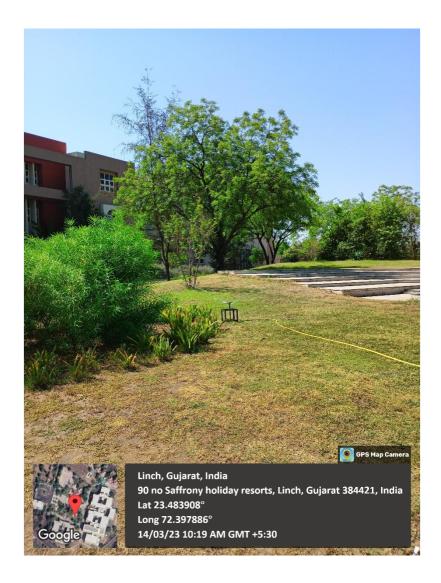
2. Water efficient plumbing fixtures

• All water efficient fixtures and low flow without hammering the performance. Plumbing fixtures have achieved water efficiency and are working properly with no leaks or drips.



3. Water efficient landscaping

- Whole landscaping in institute campus is water efficient that reduces the water consumption
- Sprinkler system is installed in all lawn areas



4. Monitoring of usage of water

• Institute has installed flow meter for the measurement of water consumption on daily basis. Water lose is prevented through real time alert of water overflow, leakages and dripping that ensures judicious use of water consumption.



AIR QUALITY LEVEL

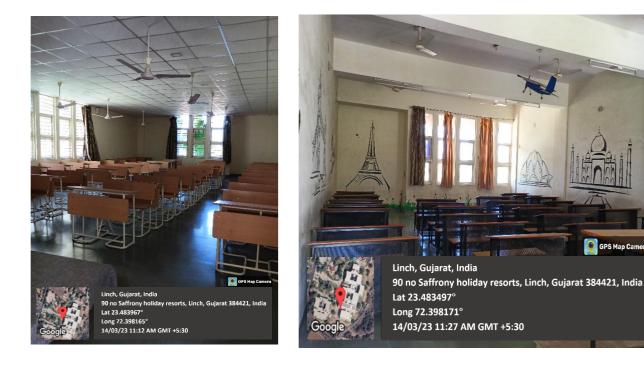
1. Tobacco smoke control

- Institute is totally Smoke Free Campus; Anti-Smoking Policies are strictly implemented that eliminates exposure of students & teachers to tobacco smoke & reduce health impacts caused due to passive smoking.
- Institute has policy of receiving fine of Rs. 500/- in case of noncompliance.



2. Day lighting

- Indoor environmental conditions in classrooms, particularly daylighting, significantly impact students' health, well-being, and performance. Purposeful utilization of natural light in classrooms holds immense potential for enhancing user comfort and academic achievement, while also promoting energy efficiency in buildings.
- The majority of regularly occupied spaces on the university campus receive ample daylight, and the average daylight factor is consistently maintained.



3. Fresh air ventilation and Area of class

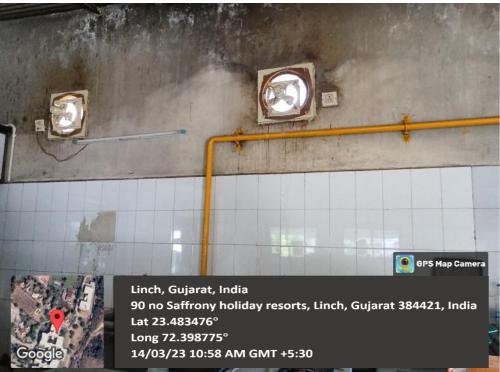
- Effective ventilation systems play a crucial role in removing pollutants, bacteria, excess moisture, and unpleasant odors (such as body odor) from classrooms.
- At institute campus, all regularly occupied spaces—including classrooms, laboratories, libraries, and indoor game facilities—are adequately ventilated. This contributes to the health and well-being of both students and faculty members.
- Institute's learning spaces, including classrooms, adhere to statutory standards and norms, maintaining appropriate occupant density.
- Additionally, the canteen is equipped with exhaust fans for proper ventilation.





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ENERGY USES AND SAVING PRACTICES

1. Energy efficient lighting fixtures

- Extensive research consistently confirms that natural light is optimal for reading and studying. Institute prioritizes abundant natural light to enhance learning outcomes.
- LEDs (Light Emitting Diodes) also excel in durability, especially in environments that subject light bulbs and fixtures to significant stress—such as our bustling campus.
- By adopting LED lighting, institute creates a safe, secure, and energy-efficient environment throughout the campus.
- LEDs not only reduce operational costs but also align with the preferences of faculty and students who appreciate eco-friendly solutions.
- Institute has energy-efficient lighting strategy involves maximizing illumination while minimizing power consumption. This includes replacing high-energy-consuming lights like incandescent and high-discharge lamps.
- Thanks to their exceptional energy efficiency, LED lights significantly cut down on repair, operational, and maintenance expenses. Compared to traditional light bulbs, LED bulbs consume less than half the energy.
- Institute has committed to sustainability extends to the installation of LED lighting and fixtures, which minimizes the environmental impact associated with energy usage.

Electric appliances detail

SR NO.	ROOM NO		NO OF FANS		NO OF LIGHTS	TOTAL LOAD OF LIGHTS IN WATTS	NO OF A.C	TOTAL LOAD OF AC IN WATTS	NO OF PC	TOTAL LOAD OF PC IN WATTS	NO OF MOTOR	TOTAL LOAD OF MOTOR IN WATTS	EQUIPMENT	NO.OF EQIP.	OTHER M/C IN WATTS	TOTAL LOAD IN Watts
1 2	101 102	M.O M.O	1 2	80 160	2	80 360	1	1920 1920	1	0 120			TV TV& DVR	1	50	2080 2610
3	102	CLASSROOM	9	720	10	400	1	0	1	0			IV&DVK	1	100	1220
4	104	CLASSROOM	7	560	4	160		0		0						720
5	105	CLASSROOM	7	560	5	200		0		0						760
6 7	106 107	CLASSROOM ELEC ROOM	9 7	720 560	4	160 40		0		0						880 600
8	108	GIRLS TOILET	1	80	1	40		0		0						120
9	109	WATER ROOM		0		0		0		0					-	0
10	110 111	MACHINE LAB COMP. CENTRE	9 8	720 640	7	280 280	4	0 7680	1 31	120 3720	10	546				1666 12320
12	111	BOYS TOILET	0	040	1	40	4	0	51	0						40
13	113	FACULTY ROOM	1	80	2	80	1	1920		0						2080
14	114	EC-LAB	7	560	6	240		0	1	120						920
15 16	114B 115	EC -LAB 2 EC-LAB	2	160 480	5	0 200		0	2	0 240	1	125		1	500	160 1545
17	116	EC-LAB 2	6	480	6	240		0	2	240		120		-	500	960
18	117	LIBRARY	25	2000	19	760		0	17	2040				1	1000	5800
19	118	CONFERENCE	2	160	8	320	1	1920	1	120			Projector	1		2520
20 21	119 120	PRINCIPAL (DIPLOMA) HOD(MECH)	1	80 80	3	120 240	1	1920 1920	1	120						2240 2360
22	120	PRINCIPAL(B.E.)	2	160	4	160	1	1920	1	120						2360
23	122	GIRLS ROOM	4	320	3	120		0		0						440
24		REFRIDGERATION LAB	4	320	4	160		0	1	120						600
25	124	MECH LAB	7	560	4	160		0	1	120				11	5000	5840
26 27	125 126&127	MECH LAB 2 MECH LAB 3	7	560 960	5	200 280		0	1	120				2	1300	2180 1360
27	120&127	BOYS TOILET	12	120	1	40		0	1	0						160
29	129	WATER ROOM		0		0		0		0						0
30	130	GIRLS TOILET		0	1	40		0		0						40
31	131	ELEC. ROOM	-	0	1	40		0	1	0				2	1000	40
32 33	132 133	ENV. ENGG. LAB SURVEYING LAB	7 6	560 480	7	280 280		0	1 2	120 240				2	1200	2160 1000
34	133	GEOLOGY LAB	8	640	6	240		0	2	240						1120
35	135	ADMIN OFFICE	13	1040	10	400	1	1920	- 11	1320						4680
36	136	BOARD ROOM		0		0	1	1920		0						1920
37 38	137 138A	DIRECTOR CONCRETE &	3	240 560	3	120 200	1	1920 0	1	0 120				6	1500	2280 2380
39	138A	HIGHWAY ENGG.	6	480	6	240		0	1	0				3	1500	2380
40	140A	MECH(COMP) LAB	4	320	3	120	1	1920	18	2160				1	80	4600
41	140B	RESEARCH LAB	4	320	3	120	0	0		0						440
42	141A	MECH LAB FLUID MECHANICS	4	320	4	160	0	0		0				3	30	510
43	142A	LAB	4	320	4	360	0	0		0						680
44	142B	MECH LAB	7	560	4	160	0	0		0				15	2500	3220
45	143A	AUTOMOBILE ENGG	7	560	6	240	0	0	7	840				5	1200	2840
46 47	144B 201	MECH WORKSHOP FACULTY ROOM	32	2560 80	17 2	680 80	0	0	2	240				4	1600	5080 160
48	201	FACULTY ROOM	5	400	4	160	0	0	4	480						1040
49	203	PROJECTOR ROOM	9	720	4	160	0	0	0	0						880
50	204	CLASSROOM	7	560	4	160	0	0	0	0						720
51 52	205 206	CLASSROOM CLASSROOM	7 9	560 720	4	160 160	0	0	0	0	ł		+			720 880
53	200	ELEC ROOM	1	80	4	40	0	0	0	0						120
54	208	GIRLS TOILET	0	0	1	40	0	0	0	0						40
55	209	WATER ROOM	0	0	1	40	0	0	0	0						40
56 57	210A 211A	EC LAB 3 & 4 EC LAB 5 & 6	10 10	800	7	280 280	4	7680 7680	24 24	2880 2880						11640 11640
58	211A	BOYS TOILET	0	0	1	40	4	0	0	0						40
59	212	SERVER ROOM	1	80	1	40	0	0	1	120	1					240
60	214 A	EC COMP. CENTRE 4	6	480	5	200	2	3840	12	1440						5960
61	215	EC LAB 9	6	480	6	240	2	3840	24	2880						7440
62 63	216 217A	PG CLASSROM	6 1	480 80	5	200 40	2	3840 0	24 0	2880	ł		+			7400 120
64	217A 218&219	GTU EXAM CELL	6	480	6	240	1	1920	2	240	1		+			2880
65	220&221	FACULTY ROOM	8	640	6	240	0	0	3	360	1					1240
66	222	PHYSICS LAB	15	1200	12	480	4	7680	84	10080						19440
67	223	LANGUAGE LAB	5	400	3	120	0	0	0	0						520
68 69	224 225	CLASSROOM CLASSROOM	5	400 400	4 5	160 200	0	0	1 0	120 0						680 600
69 70	225	SEMINAR HALL	5	400	4	160	0	0	0	0	<u> </u>					640
71	227	CLASSROOM	1	80	2	80	0	0	0	0						160
72	228	BOYS TOILET	1	80	1	40	0	0	0	0						120

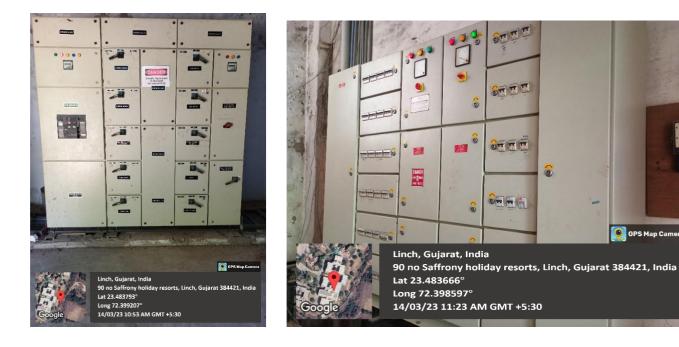
73	229	WATER ROOM	0	0	1	40	0	0	0	0			40
74	230	GIRLS TOILET	1	80	1	40	0	0	0	0			120
75	231	ELEC ROOM	0	0	1	40	0	0	1	120			160

SR NO.	ROOM NO	ROOM NAME	NO OF FANS	TOTAL LOAD OFFANS IN WATTS	NO OF LIGHT S	TOTAL LOAD OF LIGHTS IN WATTS	NO OF A.C	TOTAL LOAD OFAC IN WATTS	NO OF PC	TOTAL LOAD OFPC IN WATTS	NO OF MOTOR	TOTAL LOAD OF MOTOR IN WATTS	EQUIPMENT	NO.OF EQIP.	OTHE RM/C IN WATT S	TOTAL LOAD IN Watts
76	232	CLASSROOM	7	560	4	160	0	0	0	0						720
77	233	CLASSROOM	7	560	13	520	0	0	1	120						1200
78	234	CLASSROOM	7	560	3	120	0	0	1	120						800
79	235	CLASSROOM	7	560	4	160	0	0	0	0						720
80	236&237	PG & TUTORIAL	7	560	2	80	0	0	1	120						760
81	238	DRAWING HALL	12	960	11	440	0	0	3	360						1760
82	239	AUDITORIUM HALL	14	1120	198	7920	14	26880	1	120						36040
83	240A	DRAWING HALL	7	560	5	200	0	0	2	240						1000
84	301&302	FACULTY ROOM	9	720	11	440	0	0	6	720						1880
85	303	CLASSROOM	5	400	5	200	0	0	0	0						600
86	304	CLASSROOM	5	400	4	160	0	0	0	0						560
87	305	CLASSROOM	7	560	5	200	0	0	0	0						760
88	306	CLASSROOM	7	560	5	200	0	0	0	0						760
89	307	ELEC ROOM	0	0	1	40	0	0	0	0						40
90	308	GIRLS TOILET	1	80	1	40	0	0	0	0						120
91	309	WATER ROOM	0	0	1	40	0	0	0	0						40
92	310	STAS ROOM	9	720	5	200	0	0	0	0						920
93	311A	LAB	14	1120	11	440	1	1920	26	3120						6600
94	312	BOYS TOILET	1	80	1	40	0	0	0	0						120
95	313	WATER PLANT	0	0	1	40	0	0	0	0						40
96	314 A&B	CLASSROOM	7	560	4	160	0	0	1	120						840
97	315	CLASSROOM	7	560	4	160	0	0	0	0						720
98	316	CLASSROOM	5	400	6	240	0	0	0	0						640
99		SEMINAR HALL	9	720	7	280	2	3840	0	0						4840
100		PG CLASS	2	160	1	40	0	0	0	0						200
101	320&321	FACULTY ROOM	5	400	6	240	0	0	0	0						640
102	322	CLASSROOM	2	160	2	80	0	0	0	0						240
103	323	TUTORIAL	0	0	3	120	0	0	0	0						120
104	324	CLASSROOM	7	560	4	160	0	0	0	0						720
105	325	CLASSROOM	5	400	4	160	0	0	0	0						560
106	326	CLASSROOM	5	400	4	160	0	0	0	0						560
107	327	HOD	1	80	2	80	0	0	0	0						160
108	328	BOYS TOILET	1	80	1	40	0	0	0	0						120
109	329	WATER ROOM	0	0	1	40	1	1920	0	0						1960
110	330	GIRLS TOILET	1	80	1	40	0	0	0	0						120
111	331	ELEC ROOM	0	0	1	40	0	0	0	0						40
112	332	CLASSROOM	9	720	4	160	0	0	0	0						880
113	333	CLASSROOM	7	560	4	160	0	0	0	0						720
114	334	CLASSROOM	7	560	2	80	0	0	0	0						640
115	335	COMMON ROOM(BOYS)	7	560	5	200	0	0	0	0						760
116	336&337	RECORD ROOM	2	160	2	80	0	0	0	0						240
117	338A	CLASSROOM	9	720	5	200	0	0	0	0						920
118	338B	CLASSROOM	9	720	5	200	0	0	0	0						920
119	339A	CLASSROOM	9	720	5	200	0	0	0	0						920
120	339B	CLASSROOM	9	720	5	200	1	1920	1	120						2960
121	340A	CLASSROOM	9	720	5	200	0	0	0	0						920

122	340B	CLASSROOM	9	720	5	200	0	0	0	0					920
123	341A	CLASSROOM	9	720	5	200	0	0	0	0					920
124	341B	CLASSROOM	9	720	5	200	0	0	0	0					920
125		CS/IT LAB COMBINED	36	2880	23	920	1	1920	1	120					5840
			715	57240	747	30080	54	103680	355	42600	11	671	59	17560	251831

EQUIPMENT	NO.OF	LOAD IN WATTPER UNIT	LOAD IN WATT
FAN -	715	80 W	57,240
LIGHTS -	747	40W,250W	30,080
PC	355	120W	42,600
A.C.	54	1920W	103,680
MOTOR	11	AS PER RATING	671
OTHER MACHINE	59	AS PER RATING	17,560
TOTAL	1941		251831

2. Energy sub metering



6

🧕 GPS Map Camera

3. On site renewable energy

- Institute has solar generation capacity 50.26 KVA and UGVCL electricity consumption demand 153 KVA. Total electricity consumption permission is 203.26 KVA.
- In the below table, three years of monthly solar generation and electricity consumption data is given.

MONTH	SOLAR GENERATION (kWh)	Electricity consumption (kWh)
Jan-21	7251	4246
Feb-21	8517	4068
Mar-21	7903	6994
Apr-21	7200	6198
May-21	5349	4938
Jun-21	3797	5506
Jul-21	5214	7288
Aug-21	4672	7194
Sep-21	7260	7174
Oct-21	6289	7076
Nov-21	6012	5607
Dec-21	6973	7343
Total 2021	76438	73632
Jan-22	7017	8111
Feb-22	8100	6022
Mar-22	8101	9928
Apr-22	7674	15526
May-22	6734	20183
Jun-22	4649	21467
Jul-22	4767	17973
Aug-22	6349	17448
Sep-22	7341	15997
Oct-22	6750	14849
Nov-22	6890	11432
Dec-22	7093	10936
Total 2022	81465	169872

HEALTH AND HYGIENE

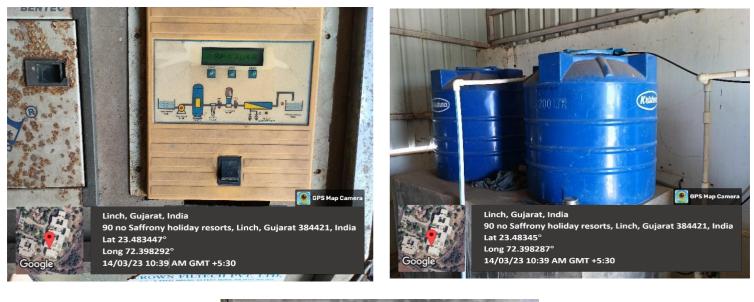
1. Toilet facilities

• Institute has sufficient housekeeping staff and ensure that SOP is followed by them.



2. Drinking water facility

• Institute has installed 2 RO system (500 Liter/hour and 250 Liter/hour). RO with the capacity of 500 liter/hour is installed at Wing-A second floor and RO with the capacity of 250 liter/hour is installed at B-wing terrace. RO with the capacity of 500 liter/hour is provide water to girls and boys hostel and 250 liter/hour provides water to the main building.





3. Access to healthy food

- Institute has their own catering service
- Institute is FSSAI certified
- Institute has capacity of cooking of 100 students
- Fresh vegetables are being used for cooking

]	Food And Dru Food Safety and	nment of Gujarat Igs Control Administration Standards Authority of India e under FSS Act, 2006 00509
1.	Name & Registered Office address of Licensee:	M/s - Jay Jalaram Education Trust Saffron Park,Mehsana-Ahmedabad Highway,At-Linch, Mahesana, Gujarat-384001
2.	Address of Authorized Premises:	Saffron Park,Mehsana-Ahmedabad Highway,At-Linch, Mahesana, Mahesana, Gujarat-384001
з.	Kind of Business:	Food Services - Club/Canteen
4.	Dairy Business Details:	No
5.	Category of License:	State License
	ued On: 18-08-2023 (Renewal License) lid Upto: 26-09-2024 (For details, refer Anne	-
Val 1 2 3	lid Upto: 26-09-2024 (For details, refer Anne Annexures: 1. <u>Product Annexure</u> 2. <u>Validity Annexure</u> 3. Non-Form C Annexure	Designated Officer
Val 1 2 2	lid Upto: 26-09-2024 (For details, refer Anne Annexures: 1. Product Annexure 2. Validity Annexure 3. Non-Form C Annexure 4. Conditions Of License	-
Val 1 2 2 2 1. <i>J</i> 1. <i>J</i>	lid Upto: 26-09-2024 (For details, refer Anne Annexures: 1. Product Annexure 2. Validity Annexure 3. Non-Form C Annexure 4. Conditions Of License exte: Application for renewal of License can be You can file application for renewal or renewal or	e filed as early as 180 days prior to expiry date of License. modification of License by login into FSSAI's Food Safety
Val 1 2 2 2 2 2 2 1. J 1. J 1. J 1. J 1. J 1. J 1. J 1. J	lid Upto: 26-09-2024 (For details, refer Anne Annexures: 1. Product Annexure 2. Validity Annexure 3. Non-Form C Annexure 4. Conditions Of License hte: Application for renewal of License can be you can file application for renewal or Compliance System(<u>https://foscos.fssai.gov</u> for any clarification. This License is only to commence or carry	-

4. Sports amenities

• Institute has following sports facilities and also have indoor sports facilities.

Sr. No.	Location	Court	No of Courts
1		Cricket	1
2	Commus	Kho-Kho	1
3	Campus	Volleyball	1
4		Kabaddi	1

SUSTAINABLE RESOURCE UTILIZATION

1. Waste disposal

• Canteen raw fruit and vegetable remaining and Food leftovers are collected separately and all this Food waste is transported out as cattle feed.



ANALYSIS REPORT

1. Drinking water



		٦	est l	Report	ŧ				F/OPN/0 sue No.: 0 Page 1 of 3
		С	hemical	I Analysis	Of Water / Waste wat	er			
	ne and Address of tomer	Nr.S	hanku's \		eering college (Saffrony Ahmedabad – Mehsana		ay,		
Disc	ipline	Cher	nical		Group		Water		
Rep	ort No.	W/03	8/040/22-	23	Date of Issue		21/03/2	023	
Sam	ple Description	Drink	ting Wate	er	Sampling Location		RO Wat	ter	
	of Sampling	15/03	3/2023		Quantity / Nos. of Samp	oles	5.0 L / 4	No.	
Туре	e of sampling	Grab			Sampling By		Jaydeep	Prajapati	
	ple Receipt Date	15/03	3/2023		Sampling Procedure		IS 3025	&APHA 23	B rd Edi.
	tion of test performed	At La	boratory	Cashes a	Sample ID		W/03/04	10	
Envir durin	ronmental Condition	25 ±	2 °C		Environmental Cond during sampling	lition	Ambient		
	dition of sample g receipt	Satis	factory		Sampling plan		E/SYS/0	9	
Test	Start Date	15/03	/2023		Test Completion date	:	20/03/20)23	S. A.
				Test	Results				
Sr.	Parameters		Unit		Test Method	Re	sults	1 6 6 6 M	s IS 10500 012)
No.							30113	Acceptable limit	Permissible Limit
1.	pH @ 25°C			IS 30	025 (Part 11) 2022	1	7.4	6.5 - 8.5	No Relaxation
2.	Turbidity		NTU	2130 B	APHA 23 rd Edition 2017	B.D.L.	(DL=1)	1	5
3.	Total Dissolved Solids		mg/L	2540 C /	APHA 23 rd Edition 2017		80	500	2000
4.	Chloride as Cl		mg/L	IS 30	025 (Part 32) 1988	2	9.0	250	1000
5.	Sulphate as SO42.		mg/L	4500 SO42-	E APHA 23 rd Edition 2017	1	6.9	200	400
6.	Total Hardness as CaCO	D ₃	mg/L		APHA 23 rd Edition 2017	:	30	200	600
7.	Calcium as Ca ⁺²		mg/L	3500Ca B	APHA 23 rd Edition 2017	8	.02	75	200
8.	Magnesium as Mg ⁺²		mg/L	3500 Mg B	APHA 23 rd Edition 2017	2	.43	30	100
9.	Alkalinity as CaCO3		mg/L		APHA 23 rd Edition 2017	5	2.0	200	600

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Jul -	13 - 50%	NW
Mr. Jay Dhobi	12/11/00000	Mr. Sandip Patel
Chemist	10 (ind)6	Technical Manger
Tested By	30 31	Reviewed and Approved By

		eport	- Environmental Testing Laboratory F/OPN/0 Issue No.: 0 Page 2 of 3								
		Cher	nical A	nalysis C)f Water / Waste w	vater					
Name Custor	and Address of mer	Nr.Shar	iku's Wa		ring college (Saffro Ahmedabad – Mehsa		way,				
Discipl	line	Chemic		and the second	Group		Water	Water			
Report	t No.	W/03/040/22-23		Date of Issue		21/03/202	23	de la rese			
Sampl	e Description	Drinking Water		Sampling Location		RO Wate	r				
Date o	of Sampling			Quantity / Nos. of S	amples	5.0 L / 4 I	No.				
Туре о	of sampling	Grab			Sampling By		Jaydeep				
Samp	le Receipt Date	15/03/2	023		Sampling Procedure	е	IS 3025 8	APHA 23	rd Edi.		
Locati	on of test performed	At Labo	oratory		Sample ID		W/03/040)			
	nmental Condition	25 ± 2 °	°C		Environmental C during sampling	Condition	Ambient				
Condi during	tion of sample receipt	Satisfa	ctory		Sampling plan		E/SYS/09	9			
Test S	Start Date	15/03/2	023		Test Completion da	ate	20/03/20	23			
1 section				Test	Results						
Sr.					Test Mathad		Results		as IS 10500 2012)		
No.	Parameters		Unit		Test Method		Results	Acceptable limit	Permissibl Limit		
10.	Fluoride as F		mg/L	4500 F- I	D APHA 23 rd Edition 20	017 B.I	D.L. (DL=0.2)	1.0	1.5		
11.	Iron as Fe		mg/L		B APHA 23 rd Edition 20		D.L. (DL=0.1)	0.3	No Relaxation		
12.	Phenolic Compound		mg/L	5530 D	D APHA 23rd Edition 2017		D.L. (DL=0.1)	0.001	0.002		
13.	Colour		Pt. Co. Unit	2120 B	APHA 23 rd Edition 2017		Colorless	05	15		
14.	Copper (as Cu)		mg/L	IS	3025 Part 42:1992	В.	D.L.(DL=0.04)	0.05	1.5		
14.	Zinc (as Zn)		mg/L	3111 B	APHA 23rd Edition 201	17 B.I	D.L.(DL=0.25)	05	15		
16.	Boron (as B)		mg/L	IS	3025 Part 57:2005	В.	D.L. (DL=0.2)	0.5	1.0		
17.	Sulphide (as H ₂ S)		mg/L		IS 3025 Part 29	B.	D.L. (DL=0.2)	0.5	No Relaxation		
	1						10				
		N		13	- COR		Not				
	Mr. Ja	y Dhobi		18	INCRAD 2	the second s	andip Pate				
	Che	mist		Tot			ical Mang		_		
	Test	ed By		1.0	Reviewed and Approved By						

: Indrad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527, Sterent @gmail.cc



		Те	st R	eport				Issu	OPN/07 e No.: 03 ige 3 of 3		
		Che	mical A	Analysis Of	Water / Waste wat	er					
Name Custor	Contraction and the second second second	M/s. S.I	P.B. Pat	el engineeri ater Park, Ah	ng college (Saffrony medabad – Mehsana), Highway	, Linch,	Gujarat - 3	84435		
Discip	lino	Chemic			Group			Water			
Report			40/22-23	2				21/03/2023			
	mple Description Drinking Water		Sampling Location			RO Water					
	ate of Sampling 15/03/2023			Quantity / Nos. of Sar	mples	5.0 L/	4 No.				
	e of sampling Grab			Sampling By			ep Prajapat				
	Receipt Date 15/03/2023			Sampling Procedure		IS 302	5 & APHA 2	3 rd Edi.			
	on of test performed	At Labo		a state of the	Sample ID		W/03/0)40	1911		
Enviro	onmental Condition	al Condition 25 ± 2 °C			Environmental Co during sampling	ondition	Ambie	nt			
Condi		Satisfa	ctory		Sampling plan		E/SYS	/09			
	Start Date	15/03/2	2023		Test Completion date	,	20/03/2	2023	1		
				Test R	esults						
Sr.	Parameters		Unit	,	Fest Method	Re	sults	Acceptable	10500:201: Permissibl		
No.						_	-	limit	Limit		
18.	Ammonia (as To Ammonia-N)	otal	mg/L		025 Part 34:2009		(DL=0.3)	0.5	Relaxation Min 1.0		
19.	Residual Free Chlorine	9	mg/L	IS 30	025 Part 26:2021	B.D.L.	(DL=0.2)	Min 0.2	No		
20.	Hexavalent Chrom (as Cr)	ium	mg/L		25 (Part 52) : 2003		L=0.01)	0.05 Agreeable	Relaxation		
21.	Odour				025 Part 5 : 2018 25 Part 7& 8 : 2017		eeable	Agreeable	Agreeable		
22.	Taste								No		
23.	Nitrate (as NO ₃)		mg/L	IS 3	025 Part 34:2009	1	.50	45	Relaxation		
24.	E. Coli		/100mL	IS	5887 Part-1:1976	At	osent	Shall n detectable 100 mL sar			
• Sa • B.	arks → ample will be disposed D.L. = Below Detectio est Report shall not be pinion & Interpretation	on Limit, e reprodu	D.L. = D uced exc	etection Limi	t. thout written approval			th the custo			
	OW	1/		1	TA		P				
	pi			13		U South	lin Dat				
		y Dhobi		124	AND AND A FTA A STATE	Ir. Sance chnica					
		mist		01				ved By			
	Teste	ed By		No.	Review	eu anu	Appro	ited by			
				End o	of Test Report						

2. Bore well water

	0							
	Soni Group	1.	est R		- Environmental Test t	ing Labora	F/OPN/07	
-							Issue No.: 03 Page 1 of 2	
		1			Of Water / Waste water			
	ne and Address of tomer	Nr. Sha	. P.B. Pat anku's Wa Gujarat -	ater Park	eering college (Saffrony), x, Ahmedabad – Mehsana High	way,		
Disc	cipline	Chemic	cal		Group	Water		
	ort No.			Date of Issue	21/03/2023			
	ple Description	Ground	0		Sampling Location	Borewell-1		
	e of Sampling	15/03/2	2023		Quantity / Nos. of Samples	5.0 L / 1.0 No.		
	e of sampling	Grab			Sampling By	Client		
	ple Receipt Date	15/03/2			Sampling Procedure	IS 3025 & APH	IA 23 rd Edi.	
	ation of test performed	At Labo	oratory		Sample ID	W/03/039		
durin	ig testing	25 ± 2 °	°C		Environmental Condition during sampling	Ambient		
durin	ig receipt	Satisfac	ctory		Sampling plan	E/SYS/09		
Test	Start Date	15/03/2	023		Test Completion date	20/03/2023		
				Test	Results			
Sr. No.	Parameters		Unit		Test Method	Results	Limit	
1.	pH @ 25°C				IS 3025 (Part 11) 2022	7.4	Not Specified	
2.	Turbidity		NTU	213	0 B APHA 23rd Edition 2017	B.D.L. (DL=1)	Not Specified	
3.	Total Dissolved Solid	s	mg/L		CAPHA 23rd Edition 2017	1822	Not Specified	
4.	Total Suspended Soli	ds	mg/L		D APHA 23 rd Edition 2017	B.D.L. (DL=10)		
5.	Chloride as Cl		mg/L		IS 3025 (Part 32) 1988	345	Not Specified	
6.	Sulphate as SO42-		mg/L		04 ²⁻ E APHA 23 rd Edition 2017	93.1	Not Specified	
7.	Total Hardness as Ca	CO ₃	mg/L		C APHA 23 rd Edition 2017	910		
8.	Calcium as Ca		mg/L		Ca B APHA 23 rd Edition 2017	188	Not Specified	
9.	Magnesium as Mg ⁺²	1	mg/L		Ag B APHA 23 rd Edition 2017	100	Not Specified Not Specified	
	000	1				0	Not Specified	
	- Her			13	O TECH N	A		
	Mr. Jay [12	Mr. Sand	lip Patel		
	Chem Tested	1 CONFER		101	Technica			

125, Kamla Amrut Industrial Park, Opp. Torrent Pharmaceuticals, Ahmedabad-Mehsana Highway, Village : Indrad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527,
ggt.env@gmail.com

		Test	Rep	ort		F/OPN/0 Issue No.: 0
		Chemic	al Analy	sis Of Water / Waste wat	ter	Page 2 of
	ne and Address of tomer	M/s. S.P.B. Nr. Shanku' Linch, Guja	s Water F	gineering college (Saffrony Park, Ahmedabad – Mehsana	r), a Highway,	
Disc	ipline	Chemical		Group	Water	
Rep	ort No.	W/03/039/2				
Sam	ple Description	Ground Wat	ter	Sampling Location	Borewell-1	
Date	of Sampling	15/03/2023		Quantity / Nos. of Samples		
	of sampling	Grab	1. P.	Sampling By	Client	
	ple Receipt Date	15/03/2023		Sampling Procedure	IS 3025 &APHA	23 rd Edi
	tion of test performed	At Laborator	у	Sample ID	W/03/039	
durin	onmental Condition g testing	25 ± 2 °C		Environmental Condition during sampling		
1	g receipt	Satisfactory		Sampling plan	E/SYS/09	
Test	Start Date	15/03/2023		Test Completion date	20/03/2023	
			т	est Results		110
Sr. No.	Parameters	Unit	t	Test Method	Results	Limit
10.	Alkalinity as CaCO3	mg/l	23	20 B APHA 23rd Edition2017	7 490	Not Specified
11.	Fluoride as F	mg/L	450	0 F- D APHA 23rd Edition 201		Not Specified
12.	Iron as Fe	mg/L	3500	Fe B APHA 23rd Edition 20		Not Specified
13.	Reactive Silica	mg/L		SiO ₂ C APHA 23 rd Edition 20	1.10	Not Specified
Sa B.I Te Op	D.L. DOW DELECTION	eproduced ex s not given.	Delection	date of issue of the report unle Limit. II, without written approval of	ess agreed with the	-
	90	1		T	R	
	Mr. Jay [hohi		3	Shirl	
	Chem			Mr.	Sandip Patel	
	Tested	And the second		Tech	nical Manger and Approved E	2.4
			En	d of Test Report		

3. Ambient



		Te	est Repo	ort ient Air G	Quality		F/OPN/06 Issue No.: 02 Page 1 of 1	
	e and Address of omer	M/s. S Nr. Shi	.P.B. Patel en	gineering	college (Saffrony), edabad – Mehsana Highw	vav		
			Gujarat - 3844		in the second right	iay,		
1000	pline	Chemical			roup	Atmospheric Pollution		
	ort No.	AA/03/	AA/03/035/22-23		ate of Issue	21/03/2023		
Sam	ple Description	Ambient Air		. S	ampling Location	Main Buildin	g	
	olingstart		14/03/2023 10:22 hrs.		ate and time of sampling hish	15/03/2023 10:22 hrs.		
	ple Receipt Date	15/03/2	2023	Sa	ampling By	Jaydeep Prajapati		
	pling Procedure	IS 5182	2	Sa	ample ID	AA/03/035		
Loca	tion of test performed	At Laboratory 25 ± 2 °C			ind Direction	NEE		
					ind Speed (m/s)	1-4		
	onmental Condition g testing				nvironmental Condition	Clear		
Cond receij	lition of sample during pt	Satisfa	ctory	Sa	ampling plan	E/SYS/09		
Test	Start Date	15/03/2	023	Te	est Completion date	16/03/2023		
			T	est Result	s			
Sr. No.	Parameters		Unit		Test Method	Results	Limit(as per GPCB)	
1.	Particulate Matter (PN	M ₁₀)	µg/m³	IS 51	82 (Part 23): 2006	65.7	100	
2.	Particulate Matter (PN		µg/m³	IS 5	182 (Part24):2019	32.3	60	
3.	Sulphur Dioxide (SO2))	µg/m ³	IS 5	182 (Part 2): 2001	12.8	80	
4.	Oxides of Nitrogen (N	0 _x)	µg/m ³	IS 51	182 (Part 6): 2006	19.0	80	
• Te • Sa	arks → est Report shall not be r ample will be disposed a pinion & Interpretation is	after 15 c	lays from the d	ate of issu	written approval of the Lat le of the report unless agr plicable.	poratory. eed with the c	ustomer.	

Mr. Jay Dhobi	12 (INTO AD) 2	Mr. Sandip Patel
Chemist	01110	Technical Manager
Tested By	100 00	Reviewed and Approved By
En	d of Test Report	

		Те	st Repo	ort	F/OPN/0 Issue No.: 0 Page 1 of		
			Amb	ient A	ir Quality		
Name Custo	e and Address of omer	Nr. Sha		Park, A	ing college (Saffrony), hmedabad – Mehsana Highw	ay,	
Disci	pline	Chemi	cal		Group	Atmospheric	Pollution
Repo	ort No.	AA/03/	038/22-23		Date of Issue	21/03/2023	
Sample Description		Ambient Air			Sampling Location	Nr. Canteen Area	
Date and time of sampling start		14/03/2023 11:32 hrs.			Date and time of sampling finish	15/03/2023 11:32 hrs.	
Sample Receipt Date		15/03/2023		19.75	Sampling By	Jaydeep Prajapati	
Sampling Procedure		IS 5182			Sample ID	AA/03/038	
Location of test performed		At Laboratory			Wind Direction	NEE	
					Wind Speed (m/s)	1-4	
Environmental Condition during testing		25 ± 2 °C			Environmental Condition during sampling	Clear	
Condition of sample during receipt		Satisfactory			Sampling plan	E/SYS/09	
Test	Start Date	15/03/2023			Test Completion date	16/03/2023	
			Т	est Re	sults		
Sr. No.	Parameters		Unit		Test Method	Results	Limit(as per GPCB)
1.	Particulate Matter (PM	И ₁₀)	µg/m ³	18	S 5182 (Part 23): 2006	64.8	100
2.	Particulate Matter (PM	M _{2.5})	µg/m³	1	S 5182 (Part24):2019	30.1	60
3.	Sulphur Dioxide (SO2)	µg/m³	1	S 5182 (Part 2): 2001	14.0	80
4.	Oxides of Nitrogen (N	O _x)	µg/m ³	1	S 5182 (Part 6): 2006	22.6	80

Sample will be disposed after 15 days from the date of issue of the report unless agreed with the customer.
Opinion & Interpretation is not given. Decision rule is not applicable.

pu	a or ied	2 Am
Mr. Jay Dhobi	18/	Mr. Sandip Patel
Chemist	15 INDHAL	Technical Manage
Tested By	12/	Reviewed and Approve

♀125, Kamla Amrut Industrial Park, Opp. Torrent Pharmaceuticals, Ahmedabad-Mehsana Highway, e : Indrad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527, 🗠 sgt.env@gmail.con



		T	est Re	port			F/OPN/06 Issue No.: 02 Page 1 of 1
			A	nbient /	Air Quality		
	me and Address of stomer	Nr. Sh	S.P.B. Patel nanku's Wat Gujarat - 3	er Park, /	ring college (Saffrony), Ahmedabad – Mehsana Highv	vay,	
Disc	cipline	Chem			Group	Atmosphori	Pollution
Rep	port No.	AA/03	/03/037/22-23		Date of Issue	Atmospheric Pollution	
Sample Description		Ambient Air			Sampling Location		
Date and time of sampling start		14/03/2023 11:11 hrs.		1	Date and time of sampling finish	Nr.Main Gate 15/03/2023 11:11 hrs.	
Sample Receipt Date		15/03/2023			Sampling By	Jaydeep Prajapati	
Sam	npling Procedure	IS 5182			Sample ID	AA/03/037	
Location of test performed		At Laboratory			Wind Direction	NEE	
					Wind Speed (m/s)	1-4	
Environmental Condition during testing		25 ± 2 °C			Environmental Condition during sampling	Clear	
Condition of sample during receipt		Satisfactory			Sampling plan	E/SYS/09	
Test	Start Date	15/03/2	2023		Test Completion date	16/03/2023	
-				Test Re	sults		
Sr. No.	Parameters		Unit		Test Method	Results	Limit(as per GPCB)
1.	Particulate Matter (PM	1.3.4	µg/m ³	I.	S 5182 (Part 23): 2006	60.9	100
2.	Particulate Matter (PM	l _{2.5})	µg/m ³		S 5182 (Part24):2019	27.4	60
3.	Sulphur Dioxide (SO ₂)		µg/m ³		S 5182 (Part 2): 2001	13.8	80
4.	Oxides of Nitrogen (NO	D _x)	µg/m ³		S 5182 (Part 6): 2006	21.3	80
Te Sa	arks → est Report shall not be re ample will be disposed a pinion & Interpretation is 9001	fter 15 c	lays from th	e date of	out written approval of the Lat issue of the report unless agr t applicable.	poratory. eed with the c	ustomer.
	Mr. Jay D	hobi		13/	Mr. C.	- Data	
	Chemis			S(INC)	Mr. Sandij Technical M		
	Tested I	Ru		N 26	Reviewed and A		

Q125, Kamla Amrut Industrial Park, Opp. Torrent Pharmaceuticals, Ahmedabad-Mehsana Highway, drad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527, 2 sgt.env@gmail.com



		Т	est Rep				F/OPN/0 Issue No.: 0 Page 1 of
			Am	bient	Air Quality		
Nan Cus	ne and Address of tomer	INF. Sh	S.P.B. Patel e nanku's Water Gujarat - 384	Park,	ering college (Saffrony) , Ahmedabad – Mehsana Highv	vay,	
Discipline Chemic				Group	1.04		
Report No. A		AA/03	/036/22-23		Date of Issue	Atmospher	
Sample Description A		Ambient Air			Sampling Location	21/03/2023	
complinented		14/03/2023 10:42 hrs.			Date and time of sampling finish	Nr. Admission building 15/03/2023 10:42 hrs.	
Sam	ple Receipt Date	15/03/2023			Sampling By		
Sam	pling Procedure	IS 5182			Sample ID	Jaydeep Prajapati AA/03/036	
Loca	tion of test performed	At Laboratory			Wind Direction	NEE	34
					Wind Speed (m/s)	1-4	
during testing		25 ± 2 °C			Environmental Condition during sampling	Clear	
Condition of sample during receipt		Satisfactory			Sampling plan	E/SYS/09	
Test Start Date		15/03/2023			Test Completion date	16/03/2023	
			1	est Re		10/03/2023	
Sr. No.	Parameters		Unit		Test Method	Results	Limit(as per GPCB)
1.	Particulate Matter (PM		µg/m ³	I	S 5182 (Part 23): 2006	63.2	100
2.	Particulate Matter (PM	2.5)	µg/m³	g/m ³ IS 5182 (Part24):2019		29.5	60
3.	Sulphur Dioxide (SO ₂)		µg/m ³		S 5182 (Part 2): 2001	12.4	80
4.	Oxides of Nitrogen (NC	D _x)	µg/m ³	IS 5182 (Part 6): 2006		21.0	80
Ter	rks → st Report shall not be re mple will be disposed at inion & Interpretation is		avs from the (late of	out written approval of the Lab issue of the report unless agre t applicable.	oratory. eed with the c	ustomer.
	81	-		100		0-	
	Mr. Jay Di	nobi	10	3/	AW AW		
	Chemis		3	(INE)	Mr. Sandip Technical M		
	Tested E	Зу	1	6	Reviewed and A		

/illage : Indrad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527, 🕿 sgt.env@gmail.com

4. Noise and Lux



		Test Rep	ort / Certificate			
		Noise Le	evel Monitoring			
Name Custo	e and Address of omer		neering college (Saffrony), k, Ahmedabad – Mehsana High	way,		
Report / Certificate No.		N/03/041/22-23	Date of Issue	21/03/2023		
Time of Sampling		10:00 to 17:30 Hrs.	Sample Identification no.	N/03/041		
Samp	le description	Noise Level				
Samp	ling By	Jaydeep Prajapati				
Date	of Sampling	15/03/2023				
Samp	ling Method	IS 11702				
Sampling Instrument		Sound Level Meter				
		Te	st Results			
~			DAY TIME MONITORING			
Sr. No	Name of Location		Day Ti	Time		
			dB(A)	Norms dB(A)		
1.	Nr. Main Gate		65.8	75		
2.	Nr.Admin Building		63.4	75		
3.	Class Room- 115		56.1	75		
4.	Class Room- 144		59.4	75		
5. Class Room- 135			58.7	75		
• Te		he sample tested only.	, without written approval of the	Laboratory		

Mr.Jay Dhobi	19/	Mr. Sandip Patel
Chemist	15 INDRAUTE	Technical Manager
Tested By	12 20	Reviewed and Approved By

125, Kamla Amrut Industrial Park, Opp. Torrent Pharmaceuticals, Ahmedabad-Mehsana Highway, Idrad, Ta.: Kadi, Dist.: Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo.: +91-92651 24527, Segt.env@gmail.com



	Те	est Report / Cer	tificate	Page 1 of			
		Lux level N					
customer Nr.Sh Linch,			I/s. S.P.B. Patel engineering college (Saffrony), r.Shanku's Water Park, Ahmedabad – Mehsana Highway, inch, Gujarat - 384435.				
Report	/ Certificate No.	SGT/L/03/042/22-23	Date of Issue	21/03/2023			
Time of Sampling		10:30 Hrs to 17:40 Hrs	Sample Identification no.	SGT/L/03/042			
Sample description		Lux Level					
Sampling By		Jaydeep Prajapati					
Date of Sampling		15/03/2023					
Sampling Method		IS 10894:1984					
Samplin	ng Instrument	LUXMeter					
	1	Test Re	sults				
			OBSERVATION	Limits			
Sr. No	Name of Location	1	Day Time LUX	(As perIS 10894:1984)			
1.	Class Room- 135		510	300			
2.	Class Room- 115		490	300			
3.	Class Room- 144		525	300			
4.	Staff Room		320	150			
5.	Class Room- 110		495	300			

Old /	P
DU	(Am
Mr.Jay Dhobi	Mr. Sandip Patel
Chemist	Technical Manager
Tested By	Reviewed and Approved By

----- End of Test Report -----

🗣 125, Kamla Amrut Industrial Park, Opp. Torrent Pharmaceuticals, Ahmedabad-Mehsana Highway, Village : Indrad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527, 😭 sgt.env@gmail.com

OBSERVATIONS OF THE CURRENT AUDIT

- Institute has provided flow meter for the measurement of water consumption. however, institute has no provision for the treatment and disposal of wastewater generation. We are suggesting to install sewage treatment plant, treat the wastewater and reuse the treated water into gardening. This way institute can reduce the usage of ground water.
- Institute can reuse the R.O reject after treatment.
- Institute has D. G. Set (200 KVA) and also provided the stack, however it is not provided as per the legal requirement.
- Institute can practice waste segregation, and organic waste turns into fertilizer by vermi composting or any other suitable treatment.
- Institute uses R22 Gas for AC, it is recommended to replace the gas which has the lesser ozone depleting potential (ODP) value and as per regulatory requirement.

CERTIFICATE



CERTIFICATE OF GREEN AUDIT

This is to certify that S.B.P. Patel Engineering College, Mehsana (Gujarat) has conducted a detailed Green Audit of their campus for the academic year 2022-2023 and has submitted the necessary data and credentials for scrutiny. The activities and measures carried out by the college has been verified based on the field visit and reports submitted and were found to be Good. The efforts taken by the faculty and students Towards green environment and sustainability are highly appreciated and commendable.

For, Soni Group of Technologies



Note: This certificate is issued on 30th March 2023 & valid up to year 2026.

♀125, Kamla Amrut Industrial Park, Opp. Torrent Pharmaceuticals, Ahmedabad-Mehsana Highway, Village : Indrad, Ta. : Kadi, Dist. : Mehsana - 382715, Gujarat, Ph. +91-2764-299115 Mo. : +91-92651 24527, ॼ sgt.env@gmail.com



CERTIFICATE OF ENVIRONMENTAL AUDIT

This is to certify that S.B.P. Patel Engineering College, Mehsana (Gujarat) has conducted a detailed Environmental Audit of their campus for the academic year 2022-2023 and has submitted the necessary data and credentials for scrutiny. The activities and measures carried out by the college has been verified based on the field visit and reports submitted and were found to be Good. The efforts taken by the Management, faculty and students for the care of Environment, Water conservation, Waste water & Plastic waste management and recycling & reuse of waste are highly appreciated and commendable.

For, Soni Group of Technologies



Note: This certificate is issued on 30th March 2023 & valid up to year 2026.



CERTIFICATE OF ENERGY AUDIT

This is to certify that **S.B.P. Patel Engineering College, Mehsana** (**Gujarat**) has conducted a detailed Energy Audit of their campus for the academic year 2022-2023 and has submitted the necessary data and credentials for scrutiny. The activities and measures carried out by the college has been verified based on the field visit and reports submitted and were found to be **Good.** The efforts taken by the Management, faculty and students towards Energy Conservation and use of Renewable Energy are highly appreciated and commendable.

For, Soni Group of Technologies



Note: This certificate is issued on 30th March 2023 & valid up to year 2026.



GUJARAT POLLUTION CONTROL BOARD Paryavaran Bhavan Sector - 10 A, Gandhinagar - 382 010. Environment Audit Cell

R.P.A.D

10 JAN 2022

No. GPCB/EA-325/6207-22

To.

Soni Group of Technologies 125, KamlaAmrut Industrial Park, Opp. Torrent Pharmaceuticals Ltd., Ahmedabad-Mehsan Highway, Village: Indrad-382715, Ta. Kalol, Dist. Mehsana

Sub: - Renewal of Recognition as Schedule- II Environmental Auditor.

Sir,

This refers to your application for renewal of the recognition as Schedule- II Environmental Auditor and subsequent interview by Environment Audit Committee members. It is recommended by the Environment Audit Committee members, to renew the recognition of your firm as Schedule-II Environmental Auditor for carrying out the Environmental Audit under Environment Audit Scheme with following conditions.

- 1) Recognition is valid upto <u>31/12/2023.</u>
- 2) You shall have maximum **One** team for the Environment Audit.
- 3) You shall carry out maximum 15 nos. of Environment Audit in a year.
- 4) Team members shall be as under :

Sr. No.	Name	Designation
1	Ms. Shanam Patel	Environment Engineer
2	Mr. Love Patadiya	Chemical Engineer
3	Mr. Chirag Prajapati	Chemist .
4	Mr. Sandip Patel	Microbiologist

5) You shall prepare and submit the Environment Audit report and to comply the conditions for Environment Auditors as per the Hon'ble High Court order dated 20/12/1996, 13/03/1997, 16/09/1999, and also the Guidelines prepared by

Clean Gujarat Green Gujarat P.T.O An ISO 9001: 2008 & ISO 14001: 2004 Certified Organization Gujarat Pollution Control Board in this regard, for the Environment Audit Scheme along with the Adequacy and Efficacy certificates as per prescribed format.

- 6) Environment Audit Report shall be submitted in prescribed format.
- 7) You shall apply for renewal of recognition as Environmental Auditor 3 months before expiry of the recognition with the scrutiny fees to this Board.
- 8) This recognition is subject to periodic evaluation of your facility and subject to change based on performance.
- 9) In case of any change in man power, team members, laboratory infrastructure, laboratory address etc., without prior appraisal of Environment Audit Committee and prior approval of Board, this recognition will automatically stands cancelled.

This letter is issued with the permission of competent authority.

For and on behalf of GPCB,

(Rajeshkumar Parmar) Environment Engineer Environment Audit Cell

> Clean Gujarat Green Gujarat P.T.O An ISO 9001: 2008 & ISO 14001: 2004 Certified Organization



National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

SONI GROUP OF TECHNOLOGIES - ENVIRONMENTAL TESTING LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

125, KAMLA AMRUT INDUSTRIAL PARK, KADI, MAHESANA, GUJARAT, INDIA

in the field of

TESTING

Certificate Number:

Issue Date:

TC-8508

16/05/2022

Valid Until:

15/05/2024

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL. (To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

W . INDIA .

Name of Legal Identity : SONI GROUP OF TECHNOLOGIES

Signed for and on behalf of NABL



letter

N. Venkateswaran Chief Executive Officer