



Dr. D. Y. Patil Technical Campus
Dr. D. Y. Patil School of Engineering
Dr. D. Y. Patil Knowledge City, Charholi (Bk),
Lohgaon, Pune – 412 105
Department of Civil Engineering

Form No.: IQAC/43

Revision:00

Date:08/10/2021

**Gap Analysis Points (ISO 9001 & ISO 21001)
(Related To Green Campus)**

G) 1. Do We Have Water Testing / Air Monitoring: -
(TDS Level + RO Maintenance Records) + Reports)

G-1.1) Do we have water testing facility?

Answer: Yes!, we have in house water testing facility in the form of Environment Engineering laboratory at D.Y. Patil school of Engineering for testing physical and chemical properties of water and a Biotechnology Laboratory of School of Engineering under Ajinkya D. Y. Patil University for testing of bacteriological parameters. Both the laboratories are located in Technical Campus.

The water supply arrangement is described in details under the point N-3. The drinking water is treated in Reverse Osmosis (RO) membrane unit and is then supplied to all floors through a G.I. pipe network laid via water coolers.

The water sample is tested periodically for its chemical and bacteriological properties like pH, Alkalinity, hardness, Total Solids (TS), Total Dissolved Solids (TDS), Chlorides, sulphate etc and Coliform and E-coli. The quarterly test reports show samples withstand the permissible limits as per IS 10500: 2012 which are now attached as **Annexure –I**.

G-1.2) Do we have Air Monitoring facility?

Answer: Yes! we do have Air Monitoring facility although the entire technical campus which houses the D. Y. Patil school of engineering, is clearly open and has lot of greenery and no direct source of air pollution. The only source of small scale air pollution may be due to movement of automobile vehicles and D.G. sets in the premises.

Accordingly we do air monitoring at probable locations in the technical Campus every six months. The faculty and staff of Environmental Engineering Laboratory of SOE carry out monitoring using High volume sampler and RSPM sampler and check if four parameters viz. PM-10, PM-2.5, SO_x and NO_x (indicators of air pollution) are within permissible limit or otherwise?

A third party monitoring is also carried out periodically to confirm the status of no pollution in the Technical campus. The Air pollution monitoring results are enclosed in **Annexure –II**.



Dr. D. Y. Patil Technical Campus



Dr. D. Y. Patil School of Engineering

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Testing and Consultancy Services Cell



Test Report

Sample No: 26102021

Report No.:0326102021

Customer Name: ADYPU

Date of Sample collection : 25/10/2021

Customer Address: Lohegaon Pune

Date of Testing:26/10/2021

Site : ADYPU

Report Date:26/10/2021

Sample Condition: Acceptable

Water Quality Test
Test Results

Sr. No	Test Particulars	Test Result	Units	Test Method	Acceptable limit
		Sample No 1			
1	pH	7.0		IS:3025(part-11)	6.5-8.5
2	TDS	149	mg/lit	IS:3025(part-15)	Maximum 600
3	Hardness	80.69	mg/lit	IS:3025(part-21)	Maximum 600
4	Alkalinity	39.63	mg/lit	IS:3025(part-23)	Maximum 1000
5	Chloride	35.69	mg/lit	IS:3025(part-32)	Maximum 2000
6	Coliform	0	No/100ml	IS 10500:2012 (Clause 4.1.1)	Shall not be detectable in any 100 ml sample
7	E-coli	0	No/100ml	IS 10500:2012 (Clause 4.1.1)	

Note: 1) The test report and results relate to the particular specimen/sample/s of the material as delivered/received and tested in laboratory.

2) Any test report shall not be reproduced except in full, without the written permission from DYPTCSC.

Tested by: Mrs. Ragini Kelkar,

Checked By: Prof. R. C. Katdare

Rajini
R.C. Katdare

Authorized Signatory

S.M. Karodpati

Prof. S. M. Karodpati
(HoD Civil Engg. Dept.)



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Test Report

Sample No: 26102021

Report No.:0326102021

Customer Name: DYP SOE

Date of Sample collection : 25/10/2021

Customer Address: Lohegaon Pune

Date of Testing:26/10/2021

Client Name: DYP SOE

Report Date:26/10/2021

Site: DYP SOE's RO installations

Sample Condition: Acceptable

Sample collected: Outlet of RO filter

Water Quality Test
Test Results

Sr. No	Test Particulars	Test Result		Units	Test Method	Acceptable limit
		Sample No	1			
1	pH		7.0		IS:3025(part-11)	6.5-8.5
2	TDS		149	mg/lit	IS:3025(part-15)	Maximum 600
3	Hardness		80.69	mg/lit	IS:3025(part-21)	Maximum 600
4	Alkalinity		39.63	mg/lit	IS:3025(part-23)	Maximum 1000
5	Chloride		35.69	mg/lit	IS:3025(part-32)	Maximum 2000
6	Coliform		0	No/100ml	IS 10500:2012 (Clause 4.1.1)	Shall not be detectable in any 100 ml sample
7	E-coli		0	No/100ml	IS 10500:2012 (Clause 4.1.1)	

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Tested by: Mrs. Ragini Kelkar, *Ragini*

Checked By: Prof. R. C. Katdare, *AK*

Authorized Signatory

Prof. S. M. Karodpati
 (HoD Civil Engg. Dept.)



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Test Report

Sample No: 19042021

Report No.:0219042021

Customer Name: DYP SOE

Date of Sample collection : 18/04/2021

Customer Address: Lohegaon Pune

Date of Testing:19/04/2021

Client Name: DYP SOE

Report Date:19/04/2021

Site: DYP SOE's RO installations

Sample Condition: Acceptable

Sample collected: Outlet of RO filter

Water Quality Test
 Test Results

Sr. No	Test Particulars	Test Result	Units	Test Method	Acceptable limit
		Sample No 1			
1	pH	7.2		IS:3025(part-11)	6.5-8.5
2	TDS	179	mg/lit	IS:3025(part-15)	Maximum 600
3	Hardness	150	mg/lit	IS:3025(part-21)	Maximum 600
4	Alkalinity	33	mg/lit	IS:3025(part-23)	Maximum 1000
5	Chloride	36.19	mg/lit	IS:3025(part-32)	Maximum 2000
6	Coliform	0	No/100ml	IS 10500:2012 (Clause 4.1.1)	Shall not be detectable in any 100 ml sample
7	E-coli	0	No/100ml	IS 10500:2012 (Clause 4.1.1)	

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Checked By: Prof. R. C. Katdare, *Att*

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 (HoD Civil Engg. Dept.)

Dr. D. Y. Patil Technical Campus



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Test Report

Sample No: 14102020

Report No.:0114102020

Customer Name: DYP SOE

Date of Sample collection : 13/10/2020

Customer Address: Lohegaon Pune

Date of Testing:14/10/2020

Client Name: DYP SOE

Report Date:14/10/2020

Site: DYP SOE's RO installations

Sample Condition: Acceptable

Sample collected: Outlet of RO filter

Water Quality Test

Test Results

Sr. No	Test Particulars	Test Result	Units	Test Method	Acceptable limit
		Sample No 1			
1	pH	6.9		IS:3025(part-11)	6.5-8.5
2	TDS	136	mg/lit	IS:3025(part-15)	Maximum 600
3	Hardness	47.36	mg/lit	IS:3025(part-21)	Maximum 600
4	Alkalinity	36.48	mg/lit	IS:3025(part-23)	Maximum 1000
5	Chloride	26.59	mg/lit	IS:3025(part-32)	Maximum 2000
6	Coliform	0	No/100ml	IS 10500:2012 (Clause 4.1.1)	Shall not be detectable in any 100 ml sample
7	E-coli	0	No/100ml	IS 10500:2012 (Clause 4.1.1)	

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Tested by: Mrs. Ragini Kelkar, *Ragini*

Authorized Signatory

Checked By: Prof. R. C. Katdare *Alt*

Prof. S. M. Karodpati
(HoD Civil Engg. Dept.)



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sansawadi, Tale Shirur, Pune 412208
 Mob: 8421365421 / 7028089005 | E-mail: gesecl2@gmail.com | www.greenenvirosafe.co.in
 CIN No. U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001:2015, ISO 45001 : 2018 Certified Company

GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/10/38	Date of Report	09/10/2021
Client Name and Address: M/s. Dr. D Y Patil School of Engineering, Technical campus Lohegaon, Pune, Maharashtra 412105	Date of Sampling	06/10/2021
	Start Date of Analysis	07/10/2021
	End Date of Analysis	09/10/2021
	Sample Details	Ambient Air
	Sample Location	In between Exit gate And D.G. set room
	Time of Sampling	11.00
Sample Collected By	Waingade Enviro & Agri Solutions	

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	23	°C	
4.	Relative Humidity	53	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	14.8	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	20.3	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	25.6	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	17.5	µg/M ³	≤ 60

Remark-

- > All above results are within National Ambient Air Quality standards.
- > BDL – Below Detectable Limit.

ANALYZED BY-



AUTHORIZED SIGNATORY



Terms and conditions

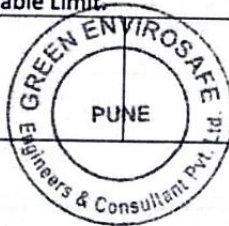
1. The report is refer only to the sample tested and not applies to the bulk.
2. The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
3. The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
4. Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
6. MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO 9001:2015, ISO 45001 : 2018 Certified Company

GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2021-22/10/39		Date of Report	09/10/2021	
Client Name and Address: M/s. Ajeenkya D Y Patil University Technical campus Lohegaon, Pune, Maharashtra 412105		Date of Sampling	06/10/2021	
		Start Date of Analysis	07/10/2021	
		End Date of Analysis	09/10/2021	
		Sample Details	Ambient Air	
		Sample Location	Near Sewage treatment plant	
		Time of Sampling	12.00	
Sample Collected By		Waingade Enviro & Agri Solutions		
Ambient Air Analysis Report				
Sr. No.	Parameter	Result	Unit(s)	NAAQ Standards
1.	Ambient Temperature	30	°C	
2.	Dry Bulb Temperature	30	°C	
3.	Wet Bulb Temperature	23	°C	
4.	Relative Humidity	53	% RH	
5.	Sampling Duration	480	Min	
6.	Sulphur Dioxide(SO ₂)	13.5	µg/M ³	≤ 80
7.	Oxides of Nitrogen(NO ₂)	21.1	µg/M ³	≤ 80
8.	Particulate Matter PM ₁₀	23.4	µg/M ³	≤ 100
9.	Particulate Matter PM _{2.5}	16.2	µg/M ³	≤ 60
Remark-				
<ul style="list-style-type: none"> > All above results are within National Ambient Air Quality standards. > BDL – Below Detectable Limit. 				
ANALYZED BY-		AUTHORIZED SIGNATORY		
				

**Terms and conditions**

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- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.



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Testing and Consultancy Services Cell



Test Report

Sample No: 0704201 Report No.: 0107042021
 Customer Name: DYP SOE Date of Sample collection : 04/04/2021
 Customer Address: Lohegaon Pune Date of Testing: 05/04/2021
 Client Name: DYP SOE Report Date: 07/04/2021
 Site location : Near D.C. Building Sample Condition: Acceptable

Ambient Air Analysis Report

Sr. No	Parameter	Test Result	Units	NAAQ Standards
1	Ambient Temperature	40	°C	
2	Dry Bulb Temperature	40	°C	
3	Wet Bulb Temperature	33	°C	
4	Relative Humidity	60	%RH	
5	Sampling Duration	480	Min	
6	Sulphur Dioxide (SO ₂)	29.63	µg/M ³	≤80
7	Oxides of Nitrogen (NO ₂)	40.65	µg/M ³	≤80
8	Particulate Matter PM ₁₀	36.34	µg/M ³	≤100
9	Particulate Matter PM _{2.5}	28.36	µg/M ³	≤60

Note: 1. All Above result are with in National Ambient Air Quality Standards
 2. BDL – Below Detectable Limit.

Tested by: Mrs. Ragini Kelkar, *Ragini*
 Checked By: Prof. R. C. Katdare *AK*

Authorized Signatory

Prof. S. M. Karodpati
 (HoD Civil Engg. Dept.)



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Test Report

Sample No: 07042021

Report No.: 0107042021

Customer Name: DYP SOE

Date of Sample collection : 05/10/2021

Customer Address: Lohegaon Pune

Date of Testing: 06/10/2021

Client Name: DYP SOE

Report Date: 07/04/2021


Site location : Near D.C. Building

Sample Condition: Acceptable

Ambient Air Analysis Report

Sr. No	Parameter	Test Result	Units	NAAQ Standards
1	Ambient Temperature	29	°C	
2	Dry Bulb Temperature	29	°C	
3	Wet Bulb Temperature	26	°C	
4	Relative Humidity	55	%RH	
5	Sampling Duration	480	Min	
6	Sulphur Dioxide (SO ₂)	17.20	µg/M ³	≤80
7	Oxides of Nitrogen (NO ₂)	30.65	µg/M ³	≤80
8	Particulate Matter PM ₁₀	31.50	µg/M ³	≤100
9	Particulate Matter PM _{2.5}	21.5	µg/M ³	≤60

Note: 1. All Above result are with in National Ambient Air Quality Standards
 2. BDL – Below Detectable Limit.

Tested by: Mrs. Ragini Kelkar, Checked By: Prof. R. C. Katdare 

Authorized Signatory



Prof. S. M. Karodpati
 (HoD Civil Engg. Dept.)

Dr. D. Y. Patil Technical Campus



Dr. D. Y. Patil School of Engineering

Dr. D. Y. Patil Knowledge City, Charholi (Bk), Lohegaon, Pune – 412105

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Test Report

Sample No: 20102020

Report No.:0220102020

Customer Name: DYPSOE

Date of Sample collection : 20/10/2020

Customer Address: Lohegaon Pune

Date of Testing: 20/10/2020

Client Name: DYPSOE

Report Date: 20/10/2020

Site location : Near Solar Panel port

Sample Condition: Acceptable

Ambient Air Analysis Report

Sr. No	Parameter	Test Result	Units	NAAQ Standards
1	Ambient Temperature	45	°C	
2	Dry Bulb Temperature	45	°C	
3	Wet Bulb Temperature	36	°C	
4	Relative Humidity	70	%RH	
5	Sampling Duration	480	Min	
6	Sulphur Dioxide (SO ₂)	26.45	µg/M ³	≤80
7	Oxides of Nitrogen (NO ₂)	39.61	µg/M ³	≤80
8	Particulate Matter PM ₁₀	32.34	µg/M ³	≤100
9	Particulate Matter PM _{2.5}	29.36	µg/M ³	≤60

Note: 1. All Above result are with in National Ambient Air Quality Standards

2. BDL – Below Detectable Limit.

Tested by: Mrs. Ragini Kelkar, *Ragini*Checked By: Prof. R. C. Katdare *AK*

Authorized Signatory

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(HoD Civil Engg. Dept.)



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Test Report

Sample No: 20102020 Report No.:0220102020
 Customer Name: DYP SOE Date of Sample collection : 20/10/2020
 Customer Address: Lohegaon Pune Date of Testing: 20/10/2020
 Client Name: DYP SOE Report Date: 20/10/2020
 Site location : Near Solar Panel Port Sample Condition: Acceptable

Ambient Air Analysis Report

Sr. No	Parameter	Test Result	Units	NAAQ Standards
1	Ambient Temperature	45	°C	
2	Dry Bulb Temperature	45	°C	
3	Wet Bulb Temperature	36	°C	
4	Relative Humidity	70	%RH	
5	Sampling Duration	480	Min	
6	Sulphur Dioxide (SO ₂)	26.45	µg/M ³	≤80
7	Oxides of Nitrogen (NO ₂)	39.61	µg/M ³	≤80
8	Particulate Matter PM ₁₀	32.34	µg/M ³	≤100
9	Particulate Matter PM _{2.5}	29.36	µg/M ³	≤60

Note: 1. All Above result are with in National Ambient Air Quality Standards
 2. BDL – Below Detectable Limit.

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Ragini
AK

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Test Report

Sample No: 19102021

Report No.:0319102021

Customer Name: DYP SOE

Date of Sample collection : 18/10/2021

Customer Address: Lohegaon Pune

Date of Testing: 19/10/2021

Client Name: DYP SOE

Report Date: 19/10/2021

Site: Sewage treatment Plant(STP) at DYP SOE

Sample Condition: Acceptable

Sample collected: Outlet of RO filter

Water Quality Test Test Results

Sr.No	Test Particulars	Test Result	Units	Test Method	Acceptable limit
		Sample No 1			
1	BOD	16.56	mg/lit	IS:10500-2012 & APHA	Maximum 20
2	COD	218.60	mg/lit	IS:10500-2012 & APHA	Maximum 250
3	TS	25.5	mg/lit	IS:10500-2012 & APHA	Maximum 30

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Ragini

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AK

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Testing and Consultancy Services Cell

Test Report

Sample No: 10042021

Report No.:0110042021

Customer Name: DYP SOE

Date of Sample collection : 09/04/2021

Customer Address: Lohegaon Pune

Date of Testing: 10/04/2021

Client Name: DYP SOE

Report Date: 10/04/2021

Site: Sewage treatment Plant(STP) at DYP SOE

Sample Condition: Acceptable

Collection point: Outlet of STP


Water Quality

Test

Test Results

Sr. No	Test Particulars	Test Result	Units	Test Method	Acceptable limit
		Sample No 1			
1	BOD	18.93	mg/lit	IS:10500-2012 & APHA	Maximum 20
2	COD	230.36	mg/lit	IS:10500-2012 & APHA	Maximum 250
3	TS	23.9	mg/lit	IS:10500-2012 & APHA	Maximum 30

Note: 1) The test report and results relate to the particular specimen/sample/s of the material as delivered/received and tested in laboratory. 2) Any test report shall not be reproduced except in full, without the written permission from DYPTCSC.

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Testing and Consultancy Services Cell

Test Report

Sample No: 12102020

Report No.:0212102020

Customer Name: DYP SOE

Date of Sample collection : 11/10/2020

Customer Address: Lohegaon Pune

Date of Testing: 11/10/2020

Client Name: DYP SOE

Report Date: 11/10/2020

Site: Sewage treatment Plant(STP) at DYP SOE

Sample Condition: Acceptable

Collection point: Outlet of STP

Water Quality Test Test Results

Sr. No	Test Particulars	Test Result	Units	Test Method	Acceptable limit
		Sample No 1			
1	BOD	16.53	mg/lit	IS:10500-2012 & APHA	Maximum 20
2	COD	186.36	mg/lit	IS:10500-2012 & APHA	Maximum 250
3	TS	13.89	mg/lit	IS:10500-2012 & APHA	Maximum 30

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Testing and Consultancy Services Cell

Test Report

Report No.:01102020

Sample No: 01102020.

Customer Name: Dr. D. Y. Patil School of Engineering.

Date of Sample collection : 5/10/2020

Customer Address: Lohegaon Pune

Date of Testing:5/10/2020

Client Name: DYPSOE

Report Date: 6/10/2020

Site: Dr. D.Y. Patil Technical Campus

Sample Condition: Acceptable

Collection point : Bore well No.1,2 & 4

Water Quality Test Test Results

Sr. No	Test Particulars	Test Result			Units	Test Method	Acceptable limit
		Sample of Bore No 1	Sample of Bore No 2	Sample of Bore No 4			
1	pH	7.3	6.8	7.5		IS:3025(part-11)	6.5-8.5
2	TDS	550	326	284	mg/lit	IS:3025(part-15)	Maximum 600
3	Hardness	83.56	76.25	54.36	Mg/lit	IS:3025(part-21)	Maximum 600
4	Alkalinity	56.45	47.80	39.25	mg/lit	IS:3025(part-23)	Maximum 1000
5	Chloride	87.65	56.15	37.25	mg/lit	IS:3025(part-32)	Maximum 2000

Note: 1) The test report and results relate to the particular specimen/sample/s of the material as delivered/received and tested in laboratory. 2) Any test report shall not be reproduced except in full, without the written permission from DYPTCSC.

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