

CALLING ATTENTION TO BE ANSEWRED ON 17/01/2023

There was a fire incidence in the factory premises of Berger Becker situated at Pilerne Goa on 10/01/2023. The Goa State Pollution Control Board (GSPCB) immediately deployed both its Mobile Continuous Ambient Air Quality Monitoring Machines, one situated at Pilerne, Saligao and one down wind at Panaji.

The Department of Environment and Climate Change along with the GSPCB has monitored the parameters such as PM10, PM2.5, SO2, NOX, CO, Ozone and Ammonia.

At Saligao Station all the parameters were within permissible limits except for CO which was higher than the 8 Hourly average on 10/01/2023 to 11/01/2023 but much below the threshold limit value of 25 ppm averaged over an 8 hour work shift. Thereafter all parameters are within the limits. With respect to the Panaji Station the CO was within limit.

The Department of Environment and Climate Change with the GSPCB has also started monitoring the water quality of the Saipem Lake and 3 wells around Saipem vaddo of Candolim village on 11/01/2023. The analysis have been completed today and the report indicates that Nickel ranges from **0.05 mg/l to 0.17 mg/l** which exceeds the permissible limit of 0.02 mg/l, Copper ranges from **0.08 mg/l to 0.18 mg/l** which exceeds the permissible limit of 0.05 mg/l and iron ranges from **0.79 mg/l to 2.24 mg/l** which exceeds the permissible limit of 0.3 mg/l in the wells. The Board has also collected the water samples of additional 10 wells around Saipem vaddo of Candolim Village on 16/01/2023 and analysis is under progress. An advisory to the general public has been issued not to consume the water of these wells around the Saipem vaddo till further notice.

The Department of Environment and Climate Change along with GSPCB shall continue with the weekly sampling of the well water and review the reports and suggest the remediation.



GOA STATE POLLUTION CONTROL BOARD

Near Pilerne Industrial Estate, Opp Saligao Seminary,
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web site: www.goaspcb.gov.in

TEST REPORT

Test Report No.: GSPCB/TR/23/28527

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Well water sample of Angelina Fernandes
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 1L
Code No. of the Sample : GSPCB/23/17957 B
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : Suspended soot observed in water

Parameters	Test Methods	Units	Test Results	Permissible Limits
Cadmium as Cd	3125 B, APHA 23rd Edition	mg/l	BDL	0.003
Copper as Cu	3125 B, APHA 23rd Edition	mg/l	0.13	0.05
Nickle as Ni	3125 B, APHA 23rd Edition	mg/l	0.05	0.02
Chromium as Cr	3125 B, APHA 23rd Edition	mg/l	0.04	0.05
Zinc as Zn	3125 B, APHA 23rd Edition	mg/l	0.08	5.0
Cobalt as Co	3125 B, APHA 23rd Edition	mg/l	0.001	-
Lead as Pb	3125 B, APHA 23rd Edition	mg/l	0.01	0.01

Contd..

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7. The method, location of Sampling including any diagram, sketch, photograph, if any may be enclosed.

GSPCB/F/07

Rev.No. 11

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Date: 16/01/2023

Parameters	Test Methods	Units	Test Results	Permissible Limits
Iron as Fe	3125 B, APHA 23rd Edition	mg/l	0.91	0.3
Manganese as Mn	3125 B, APHA 23rd Edition	mg/l	0.06	0.1

Remarks: Copper, Nickel and Iron parameters are exceeding the permissible limits.
BDL-Below Detection Limit.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst


Sanmesh Borkar
Scientific Assistant

Authorised Signatory


Sanjay Kankonkar
Scientist B

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TEST REPORT

Test Report No.: GSPCB/TR/23/28528

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Well water sample of Angelina Fernandes
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 250ml
Code No. of the Sample : GSPCB/23/17957 C
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : Suspended soot observed in water

Parameters	Test Methods	Units	Test Results	Permissible Limits
Total Coliform	9221 B, APHA 23 rd Edition	MPN/100ml	540	-
Fecal Coliform	9221 E, APHA 23 rd Edition	MPN/100ml	170	-
E Coli	9221 G, APHA 23 rd Edition	-	Present	Nil

Contd..

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TEST REPORT

Test Report No.: GSPCB/TR/23/28528

Date: 16/01/2023

Remarks: E.Coli is Present in the analysed sample.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst

Authorised Signatory

Reema Redkar
Reema Redkar
Junior Laboratory Assistant

Sanjay Kankonkar
Sanjay Kankonkar
Scientist B

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TEST REPORT

Test Report No.: GSPCB/TR/23/28530

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Well water sample of Maria Machado
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 1L
Code No. of the Sample : GSPCB/23/17958 B
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : Suspended soot observed in water

Parameters	Test Methods	Units	Test Results	Permissible Limits
Cadmium as Cd	3125 B, APHA 23rd Edition	mg/l	0.003	0.003
Copper as Cu	3125 B, APHA 23rd Edition	mg/l	0.18	0.05
Nickle as Ni	3125 B, APHA 23rd Edition	mg/l	0.06	0.02
Chromium as Cr	3125 B, APHA 23rd Edition	mg/l	0.04	0.05
Zinc as Zn	3125 B, APHA 23rd Edition	mg/l	0.10	5.0
Cobalt as Co	3125 B, APHA 23rd Edition	mg/l	0.003	-
Lead as Pb	3125 B, APHA 23rd Edition	mg/l	0.01	0.01

Contd..

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Test Report No.: GSPCB/TR/23/28530

Date: 16/01/2023

Parameters	Test Methods	Units	Test Results	Permissible Limits
Iron as Fe	3125 B, APHA 23rd Edition	mg/l	0.79	0.3
Manganese as Mn	3125 B, APHA 23rd Edition	mg/l	0.05	0.1

Remarks: Copper, Nickel and Iron parameters are exceeding the permissible limits.
BDL-Below Detection Limit.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst

Sanmesh Borkar
Scientific Assistant

Authorised Signatory

Sanjay Kankonkar
Scientist B

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TEST REPORT

Test Report No.: GSPCB/TR/23/28531

Date: 16/01/2023

Name of the Customer	Goa State Pollution Control Board
Address	Near Pilerne Industrial Estate, Opp. Saligao Seminary, Saligao-Goa
Nature of Sample	Well water sample of Maria Machado
Sample collected by	Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received	250ml
Code No. of the Sample	GSPCB/23/17958 C
Date & Time of Sample Collection	11.01.2023 &
Date of Sample Receipt	11.01.2023
Seal / Tag details	Not Sealed
Date of Start of Analysis	11.01.2023
Date of Completion of Analysis	16.01.2023
Method of Sample Collection	IS 3025(Part 1)
Colour of Sample	Clear
Odour of Sample	Odourfree
Weather Condition	Clear
Visible Effluent Discharge	No
Any other Specific activity observed	Suspended soot observed in water

Parameters	Test Methods	Units	Test Results	Permissible Limits
Total Coliform	9221 B, APHA 23 rd Edition	MPN/100ml	25	-
Fecal Coliform	9221 E, APHA 23 rd Edition	MPN/100ml	17	-
E Coli	9221 G, APHA 23 rd Edition	-	Present	Nil

Contd..

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TEST REPORT

Test Report No.: GSPCB/TR/23/28531

Date: 16/01/2023

Remarks: E.Coli is Present in the analysed sample.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst

Reema Redkar

Reema Redkar
Junior Laboratory Assistant

Authorised Signatory

Sanjay Kankonkar

Sanjay Kankonkar
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TEST REPORT

Test Report No.: GSPCB/TR/23/28536

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Well water sample of Vasudev Bhobe
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 1L
Code No. of the Sample : GSPCB/23/17960 B
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : No

Parameters	Test Methods	Units	Test Results	Permissible Limits
Cadmium as Cd	3125 B, APHA 23rd Edition	mg/l	BDL	0.003
Copper as Cu	3125 B, APHA 23rd Edition	mg/l	0.08	0.05
Nickle as Ni	3125 B, APHA 23rd Edition	mg/l	0.17	0.02
Chromium as Cr	3125 B, APHA 23rd Edition	mg/l	0.03	0.05
Zinc as Zn	3125 B, APHA 23rd Edition	mg/l	0.11	5.0
Cobalt as Co	3125 B, APHA 23rd Edition	mg/l	0.005	-
Lead as Pb	3125 B, APHA 23rd Edition	mg/l	0.02	0.01

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TEST REPORT

Test Report No.: GSPCB/TR/23/28536

Date: 16/01/2023

Parameters	Test Methods	Units	Test Results	Permissible Limits
Iron as Fe	3125 B, APHA 23rd Edition	mg/l	2.24	0.3
Manganese as Mn	3125 B, APHA 23rd Edition	mg/l	0.41	0.1

Remarks: Copper, Nickel, Lead, Iron and Manganese parameters are exceeding the permissible limits.
BDL-Below Detection Limit.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD.

Analyst


Sanmesh Borkar
Scientific Assistant

Authorised Signatory


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TEST REPORT

Test Report No.: GSPCB/TR/23/28537

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Well water sample of Vasudev Bhobe
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 250ml
Code No. of the Sample : GSPCB/23/17960 C
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : No

Parameters	Test Methods	Units	Test Results	Permissible Limits
Total Coliform	9221 B, APHA 23 rd Edition	MPN/100ml	17	-
Fecal Coliform	9221 E, APHA 23 rd Edition	MPN/100ml	11	-
E Coli	9221 G, APHA 23 rd Edition	-	Present	Nil

Note :

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Tel : +91 (0832) 2407700, 2407701, 2407702, 2407703,
Fax: (0832) 2407700
e-mail: goapcb@gspcb.in,
web site: www.goaspcb.gov.in

TEST REPORT

Test Report No.: GSPCB/TR/23/28537

Date: 16/01/2023

Remarks: E. Coli is Present in the analysed sample.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst

Kankar
Reema Redkar
Junior Laboratory Assistant

Authorised Signatory

Sanjay Kankonkar
Sanjay Kankonkar
Scientist B

Note :

1. The results refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
2. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified.
3. This report is not to be reproduced wholly or in part or used in any advertising media without the permission of the Board in writing.
4. The Board is not responsible for the authenticity for the samples not collected by the Board's officials.
5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Goa Jurisdiction only.
6. Permissible Limits: as per Schedule I & VI of EPA Rules, 1986 as amended by Second and Third amendment 1993 for Effluents and as per IS 10500 : 2012 – Indian Standards for Drinking water Specification (Second Revision) and as per minutes of the 118th, 126th, 145th & 150th meetings of the Board for discharge of treated sewage.
7. The method, location of Sampling including any diagram, sketch, photograph, if any may be enclosed.

GSPCB/F/07

Rev.No. 11

Issue Date : 23.02.2022



GOA STATE POLLUTION CONTROL BOARD

Near Pilerne Industrial Estate, Opp Saligao Seminary,
Saligao, Bardez, Goa - 403 511.
Tel : +91 (0832) 2407700, 2407701, 2407702, 2407703,
Fax: (0832) 2407700
e-mail: goapcb@gspcb.in,
web site: www.goapcb.gov.in

TEST REPORT

Test Report No.: GSPCB/TR/23/28533

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Saipem lake water sample, Saligao
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 1L
Code No. of the Sample : GSPCB/23/17959 B
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : No

Parameters	Test Methods	Units	Test Results	Permissible Limits
Cadmium as Cd	3125 B, APHA 23rd Edition	mg/l	BDL	-
Copper as Cu	3125 B, APHA 23rd Edition	mg/l	0.03	-
Nickle as Ni	3125 B, APHA 23rd Edition	mg/l	0.03	-
Chromium as Cr	3125 B, APHA 23rd Edition	mg/l	0.04	-
Zinc as Zn	3125 B, APHA 23rd Edition	mg/l	0.04	-
Cobalt as Co	3125 B, APHA 23rd Edition	mg/l	0.001	-
Lead as Pb	3125 B, APHA 23rd Edition	mg/l	0.005	-

Contd..

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7. The method, location of Sampling including any diagram, sketch, photograph, if any may be enclosed.

GSPCB/F/07

Rev.No. 11

Issue Date : 23.02.2022



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web site: www.goaspcb.gov.in

TEST REPORT

Test Report No.: GSPCB/TR/23/28533

Date: 16/01/2023

Parameters	Test Methods	Units	Test Results	Permissible Limits
Iron as Fe	3125 B, APHA 23rd Edition	mg/l	0.81	-
Manganese as Mn	3125 B, APHA 23rd Edition	mg/l	0.12	-

Remarks: BDL-Below Detection Limit.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst

Sanmesh Borkar
Sanmesh Borkar
Scientific Assistant

Authorised Signatory

Sanjay Kankonkar
Sanjay Kankonkar
Scientist B

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GSPCB/F/07
Rev.No. 11
Issue Date : 23.02.2022



GOA STATE POLLUTION CONTROL BOARD

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Saligao, Bardez, Goa - 403 511.
Tel : +91 (0832) 2407700, 2407701, 2407702, 2407703,
Fax: (0832) 2407700
e-mail: goapcb@gspcb.in,
web site: www.goapcb.gov.in

TEST REPORT

Test Report No.: GSPCB/TR/23/28534

Date: 16/01/2023

Name of the Customer : Goa State Pollution Control Board
Address : Near Pilerne Industrial Estate, Opp. Saligao Seminary,
Saligao-Goa
Nature of Sample : Saipem lake water sample, Saligao
Sample collected by : Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)
Quantity of Sample Received : 250ml
Code No. of the Sample : GSPCB/23/17959 C
Date & Time of Sample Collection : 11.01.2023 &
Date of Sample Receipt : 11.01.2023
Seal / Tag details : Not Sealed
Date of Start of Analysis : 11.01.2023
Date of Completion of Analysis : 16.01.2023
Method of Sample Collection : IS 3025(Part 1)
Colour of Sample : Clear
Odour of Sample : Odourfree
Weather Condition : Clear
Visible Effluent Discharge : No
Any other Specific activity observed : No

Parameters	Test Methods	Units	Test Results	Permissible Limits
Total Coliform	9221 B, APHA 23 rd Edition	MPN/100ml	350	≤5000
Fecal Coliform	9221 E, APHA 23 rd Edition	MPN/100ml	240	-
E Coli	9221 G, APHA 23 rd Edition	-	Present	-

Contd..

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7. The method, location of Sampling including any diagram, sketch, photograph, if any may be enclosed.

GSPCB/F/07

Rev.No. 11

Issue Date : 23.02.2022



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Fax: (0832) 2407700
e-mail: goapcb@gspcb.in,
web site: www.goaspcb.gov.in

TEST REPORT

Test Report No.: GSPCB/TR/23/28534

Date: 16/01/2023

Remarks: Total coliform parameter is within the permissible limits.

*** End of Report ***
for GOA STATE POLLUTION CONTROL BOARD,

Analyst

Reema Redkar
Reema Redkar
Junior Laboratory Assistant

Authorised Signatory

Sanjay Kankonkar
Sanjay Kankonkar
Scientist B

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7. The method, location of Sampling including any diagram, sketch, photograph, if any may be enclosed.

GSPCB/F/07

Rev.No. 11

Issue Date : 23.02.2022



GOA State Pollution Control Board

Daily Report on CAAQMS Mobile Van 1

Location : Saligao Nr. : Near GSPCB Office

From: 10-01-23 20:00 To: 11-01-23 20:00

Time (hrs.)	CO mg/m ³	O ₃ µg/m ³	NO µg/m ³	NO ₂ µg/m ³	NO _x µg/m ³	NH ₃ µg/m ³	SO ₂ µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	AT °C	RH %	WS m/s	WD deg.	SR W/m ²	BP mmHg	VWS m/s
20:00	1.03	149.8	0.5	10.6	11.1	6.8	16.5	71	94	27.4	54.3	2.1	347	29	751	0.0
21:00	0.60	155.8	0.6	8.2	8.8	7.6	11.7	58	78	27.1	52.7	2.6	347	29	753	0.0
22:00	0.15	155.0	0.6	6.0	6.6	7.3	8.6	55	77	27.0	51.9	1.7	341	29	751	0.0
23:00	1.40	120.8	0.6	14.4	15.0	7.0	7.0	77	106	26.3	51.9	0.3	191	29	753	0.0
00:00	1.51	119.8	0.6	10.7	11.3	8.3	7.8	73	99	25.9	51.9	0.3	266	28	752	0.0
01:00	1.90	96.1	0.7	12.1	12.8	7.5	9.9	72	117	25.0	52.0	0.4	332	28	752	0.0
02:00	2.56	88.5	0.6	9.4	10.0	6.1	6.4	63	100	25.4	52.0	0.4	319	28	751	0.0
03:00	5.06	81.0	0.5	8.4	8.9	5.1	3.9	55	88	25.6	52.0	0.6	332	28	751	0.0
04:00	2.83	81.2	0.5	7.2	7.7	4.7	1.6	46	72	26.1	52.1	0.3	322	28	751	0.0
05:00	1.59	72.6	0.5	7.7	8.1	4.7	2.2	44	83	24.9	52.1	0.3	347	28	751	0.0
06:00	3.29	57.4	0.8	12.9	13.7	4.6	5.6	65	102	23.9	52.1	0.3	347	28	751	0.0
07:00	9.53	64.3	0.5	14.2	14.7	4.5	7.3	63	102	24.2	52.1	0.7	347	62	752	0.0
08:00	6.11	63.0	0.8	14.1	14.9	3.9	5.7	49	95	26.0	52.1	0.7	347	175	752	0.0
09:00	3.72	53.9	0.2	32.3	32.5	3.6	6.6	69	101	28.0	52.1	1.1	344	282	753	0.0
10:00	5.37	76.3	0.2	31.9	32.1	3.6	7.4	69	85	31.1	52.1	0.9	327	366	754	0.0
11:00	8.82	121.0	0.4	8.9	9.3	4.5	8.2	43	77	32.8	52.1	1.3	270	380	753	0.0
12:00	6.65	133.8	0.4	8.8	9.3	4.2	8.8	38	71	34.0	52.1	0.5	299	422	752	0.0
13:00	2.32	149.4	0.6	7.9	8.5	4.8	8.6	48	69	32.6	52.2	0.4	330	162	751	0.0
14:00	3.94	142.9	0.5	6.2	6.7	4.9	9.2	43	75	31.7	52.2	0.4	323	56	751	0.0
15:00	5.59	132.9	0.3	4.5	4.8	4.8	7.9	31	62	31.1	52.2	0.4	341	49	750	0.0
16:00	3.59	131.1	0.6	6.9	7.5	5.3	8.6	35	60	30.5	52.2	0.5	340	44	750	0.0
17:00	2.94	135.8	0.8	4.8	5.6	5.3	8.4	35	63	29.6	52.2	0.6	342	38	750	0.0
18:00	14.02	131.6	0.3	5.5	5.8	5.5	6.5	49	66	28.7	52.3	0.8	321	29	750	0.0
19:00	15.05	130.1	0.7	8.1	8.8	5.2	6.3	55	87	27.7	52.3	1.7	346	28	750	0.0
Average	4.57	110.2	0.5	10.9	11.4	5.4	7.5	54	85	28.0	52.2	0.8	324	101	751	0.0
Minimum	0.15	53.9	0.2	4.5	4.8	3.6	1.6	31	60	23.9	51.9	0.3	191	28	750	0.0
Maximum	15.05	155.8	0.8	32.3	32.5	8.3	16.5	77	117	34.0	54.3	2.6	348	422	754	0.0
Capture	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Note : "-" = Power Failure. F.T. = Filter Tape

NAAQ Std.(1Hr.)	04	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAAQ Std.(8Hr.)	02	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAAQ Std.(24Hr.)	-	-	-	80	-	400	80	60	100	-	-	-	-	-	-	-
NAAQ Std.(Annual)	-	-	-	40	-	100	50	40	60	-	-	-	-	-	-	-



GOA State Pollution Control Board

Daily Report on CAAQMS Mobile Van 1

Location : Saligao Near GSPCB Office

From: 11-01-23 20:00 To: 12-01-23 20:00

Time (hrs.)	CO mg/m ³	O ₃ µg/m ³	NO µg/m ³	NO ₂ µg/m ³	NOx µg/m ³	NH ₃ µg/m ³	SO ₂ µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	AT °C	RH %	WS m/s	WD deg.	SR W/m ²	BP mmHg	VWS m/s
20:00	6.55	121.1	0.9	12.2	13.0	5.7	1.5	61	95	27.2	52.3	0.7	347	28	751	0.0
21:00	1.74	129.3	0.7	8.6	9.3	6.9	3.4	53	97	26.8	52.3	0.9	347	28	752	0.0
22:00	2.24	147.2	0.6	4.6	5.3	7.2	4.4	45	75	26.9	52.3	1.5	347	28	752	0.0
23:00	2.75	112.3	0.7	10.0	10.6	7.0	4.7	66	107	25.9	52.3	1.1	347	28	752	0.0
00:00	1.41	95.5	0.9	11.5	12.4	6.2	4.2	53	69	24.9	52.4	1.4	348	28	751	0.0
01:00	0.60	99.0	0.5	9.1	9.6	6.4	5.1	64	109	24.6	52.4	0.9	317	28	751	0.0
02:00	0.54	80.6	0.5	9.5	10.0	7.0	5.8	71	101	24.4	52.4	0.5	303	28	750	0.0
03:00	0.55	77.5	0.5	11.4	11.9	6.3	5.6	74	111	24.0	52.5	0.4	347	28	750	0.0
04:00	0.45	73.4	0.4	10.6	11.0	5.8	6.5	59	125	23.4	52.5	0.8	347	28	750	0.0
05:00	0.28	77.2	0.7	11.3	12.1	5.2	6.5	58	92	23.1	52.6	1.0	347	28	750	0.0
06:00	0.32	73.7	0.9	11.9	12.8	4.8	6.5	59	80	22.8	52.7	1.2	347	28	751	0.0
07:00	0.46	70.4	0.9	8.3	9.2	4.9	7.1	55	84	22.9	52.7	1.0	347	54	751	0.0
08:00	1.45	85.7	0.9	10.9	11.8	4.5	6.7	56	82	25.6	52.7	0.4	346	156	752	0.0
09:00	2.07	83.1	1.1	19.3	20.4	4.8	7.5	61	100	28.7	52.8	0.4	265	257	752	0.0
10:00	0.58	99.6	1.1	20.9	22.0	5.9	6.9	65	115	31.3	53.6	0.6	298	349	753	0.0
11:00	0.77	104.0	0.7	16.7	17.5	5.4	9.4	68	117	33.3	54.8	0.6		394	753	0.0
12:00	1.19	166.2	0.4	9.5	9.9	5.0	11.5	64	119	33.7	54.6	0.5	323	411	751	0.0
13:00	0.86	170.0	1.1	7.0	8.1	4.6	11.9	56	86	32.0	55.9	0.5	337	159	750	0.0
14:00	0.67	169.2	0.9	5.0	5.9	4.3	8.4	50	88	30.7	56.9	0.6	331	53	749	0.0
15:00	0.56	186.8	0.4	4.6	5.0	4.4	7.9	47	87	30.2	56.7	1.0	336	48	748	0.0
16:00	0.87	185.2	0.3	4.4	4.7	4.6	7.7	57	91	29.5	56.9	1.1	338	43	748	0.0
17:00	1.02	201.0	0.6	5.6	6.2	4.6	7.8	59	98	29.0	56.8	1.0	303	37	749	0.0
18:00	0.96	192.4	0.7	6.4	7.1	5.9	6.4	61	89	28.2	57.2	1.3	333	29	750	0.0
19:00	1.15	207.0	0.6	7.6	8.3	10.2	5.8	51	80	27.8	57.2	2.0	346	28	751	0.0
Average	1.25	125.3	0.7	9.9	10.6	5.7	6.6	59	96	27.4	54.0	0.9	332	97	751	0.0
Minimum	0.28	70.4	0.3	4.4	4.7	4.3	1.5	45	69	22.8	52.3	0.4	265	28	748	0.0
Maximum	6.55	207.0	1.1	20.9	22.0	10.2	11.9	74	125	33.7	57.2	2.0	348	411	753	0.0
Capture	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Note : "-" = Power Failure. F.T. = Filter Tape

NAAQ Std.(1Hr.)	04	180	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAAQ Std.(8Hr.)	02	100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAAQ Std.(24Hr.)	-	-	-	80	-	400	80	60	100	-	-	-	-	-	-	-
NAAQ Std.(Annual)	-	-	-	40	-	100	50	40	60	-	-	-	-	-	-	-



GOA State Pollution Control Board

Daily Report on CAAQMS Mobile Van 2

Location : Panjim : Near EDC patto panjim

From: 11-01-23 02:00 To: 12-01-23 02:00

Time (hrs.)	CO mg/m ³	O ₃ µg/m ³	NO µg/m ³	NO ₂ µg/m ³	NOx µg/m ³	NH ₃ µg/m ³	SO ₂ µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	AT °C	RH %	WS m/s	WD deg.	SR W/m ²	BP mmHg
02:00	0.86	21.1	6.2	11.4	17.6	7.7	29.6	83	113	23.3	80.8	0.3	319	28	761
03:00	0.42	32.8	17.2	36.6	53.8	20.6	25.8	75	114	22.9	80.9	0.3	332	28	761
04:00	0.69	18.2	17.0	40.3	57.3	20.0	21.6	76	115	22.7	81.6	0.3	322	28	762
05:00	0.92	17.4	13.5	32.5	46.0	23.2	21.0	65	93	22.0	81.8	0.3	347	28	762
06:00	1.90	7.7	20.6	67.2	87.8	6.5	19.1	72	119	21.6	82.0	0.3	347	28	762
07:00	1.58	5.0	22.6	51.0	73.6	17.9	22.6	85	224	21.3	82.0	0.3	347	62	762
08:00	1.51	11.4	19.1	47.2	66.4	23.5	22.7	71	111	22.0	79.4	0.3	347	175	762
09:00	1.73	28.3	15.0	41.5	56.5	25.6	23.7	71	112	24.1	70.0	0.3	344	282	760
10:00	0.90	65.2	13.5	40.0	53.5	27.2	29.5	52	86	27.7	54.0	0.3	327	366	757
11:00	0.99	94.1	9.4	28.4	37.8	28.4	34.3	43	65	30.6	47.3	0.5	270	390	754
12:00	0.62	109.6	8.6	33.7	42.3	27.4	26.0	48	80	34.1	42.5	0.6	299	422	749
13:00	0.61	155.5	7.5	31.0	38.6	29.3	23.7	51	96	33.6	44.7	1.3	330	162	748
14:00	0.47	152.5	7.5	23.4	30.9	29.5	20.6	41	129	33.6	45.7	1.4	323	56	749
15:00	0.40	141.8	7.0	19.6	26.7	30.5	22.3	35	84	33.1	45.8	1.7	341	49	750
16:00	0.57	122.9	6.9	23.9	30.8	30.0	21.7	43	92	33.3	46.4	1.3	340	44	750
17:00	0.63	117.1	7.8	28.6	36.4	29.3	20.2	40	97	31.0	51.9	1.4	342	38	753
18:00	1.01	65.3	9.4	62.6	72.0	20.3	18.3	57	122	29.8	57.7	0.7	321	29	755
19:00	1.50	31.3	11.7	89.0	100.6	18.9	16.8	64	122	28.5	63.5	0.3	348	28	758
20:00	1.43	31.1	10.8	63.3	74.1	23.7	15.0	67	101	27.1	70.3	0.3	347	28	757
21:00	1.87	4.6	27.5	78.7	106.2	13.0	16.3	86	272	26.3	73.3	0.3	347	28	758
22:00	1.94	3.7	34.0	72.8	106.8	20.7	13.3	106	201	25.4	76.9	0.3	347	28	759
23:00	1.20	23.3	11.3	46.0	57.3	31.5	10.7	74	111	24.7	79.0	0.3	347	28	759
00:00	1.11	23.1	8.2	42.4	50.6	26.2	18.0	72	129	24.1	79.3	0.3	348	28	760
01:00	0.83	33.0	8.5	34.1	42.6	28.0	15.8	70	109	23.6	79.4	0.3	317	28	760
Average	1.07	54.8	13.4	43.5	56.9	23.3	21.2	64	121	26.9	66.5	0.6	333	100	757
Minimum	0.40	3.7	6.2	11.4	17.6	6.5	10.7	35	65	21.3	42.5	0.3	270	28	748
Maximum	1.94	155.5	34.0	89.0	106.8	31.5	34.3	106	272	34.1	82.0	1.7	348	422	762
Capture	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Note : "-" = Power Failure, F.T. = Filter Tape Error

NAAQ Std.(1Hr.)	04	180	-	-	-	-	-	-	-	-	-	-	-	-	-
NAAQ Std.(8Hr.)	02	100	-	-	-	-	-	-	-	-	-	-	-	-	-
NAAQ Std.(24Hr.)	-	-	-	80	-	400	80	60	100	-	-	-	-	-	-
NAAQ Std.(Annual)	-	-	-	40	-	100	50	40	60	-	-	-	-	-	-



GOA State Pollution Control Board

Daily Report on CAAQMS Mobile Van 2

Location : Panjim : Near EDC Patto Panjim

From: 12-01-23 02:00 To: 13-01-23 02:00

Time (hrs.)	CO mg/m ³	O ₃ µg/m ³	NO µg/m ³	NO ₂ µg/m ³	NO _x µg/m ³	NH ₃ µg/m ³	SO ₂ µg/m ³	PM _{2.5} µg/m ³	PM ₁₀ µg/m ³	AT °C	RH %	WS m/s	WD deg.	SR W/m ²	BP mmHg
02:00	0.84	24.3	8.0	32.8	40.8	26.5	19.1	100	146	23.2	79.8	0.3	303	28	761
03:00	0.87	19.3	8.3	31.0	39.3	26.8	24.1	86	120	22.9	82.0	0.3	347	28	761
04:00	0.89	22.7	8.0	24.7	32.7	28.4	20.8	75	104	22.4	82.4	0.3	347	28	762
05:00	1.14	23.7	7.0	23.6	30.6	27.9	22.8	66	104	22.0	81.9	0.3	347	28	762
06:00	0.98	23.3	6.8	24.7	31.5	27.8	22.7	73	111	21.8	81.9	0.3	347	28	762
07:00	0.94	38.2	6.6	30.6	37.2	26.2	18.9	68	110	21.6	80.5	0.3	347	54	762
08:00	1.12	37.5	9.6	35.1	44.7	26.4	19.0	78	119	22.4	80.0	0.3	346	156	761
09:00	1.45	45.5	10.6	39.0	49.6	27.4	18.5	78	116	24.2	73.3	0.3	265	257	760
10:00	1.33	67.3	9.7	35.6	45.3	27.7	21.0	61	108	26.8	64.4	0.4	298	349	757
11:00	1.11	96.1	8.1	36.6	44.6	26.5	30.8	61	118	30.4	52.5	0.4	283	394	754
12:00	0.96	132.7	8.9	40.9	49.8	26.3	24.4	53	134	33.6	47.9	0.9	323	411	749
13:00	0.63	153.5	6.9	33.0	40.0	29.6	20.7	59	164	34.1	46.0	1.1	337	159	748
14:00	0.49	145.7	5.6	23.7	29.3	30.3	16.6	43	101	33.8	45.8	1.3	331	53	749
15:00	0.55	149.4	5.5	23.3	28.8	30.1	18.2	43	110	33.3	48.2	1.4	336	48	750
16:00	0.72	158.3	5.8	27.5	33.4	29.1	21.0	59	139	32.8	54.1	1.4	338	43	751
17:00	0.81	161.0	6.3	36.1	42.3	28.6	22.6	66	144	30.9	60.6	1.2	303	37	753
18:00	0.91	152.5	6.7	47.2	53.9	27.0	31.5	67	138	29.6	63.8	1.0	333	29	755
19:00	1.02	111.7	7.5	61.7	69.3	24.5	28.1	58	131	28.8	65.8	0.3	346	28	756
20:00	0.82	136.7	6.7	34.6	41.3	29.8	22.3	51	95	28.1	63.6	0.3	347	28	756
21:00	0.96	99.7	6.1	48.3	54.4	24.0	8.3	55	135	27.2	62.9	0.3	347	28	757
22:00	1.32	60.3	7.6	64.6	72.2	21.8	4.5	67	166	25.8	71.4	0.3	347	28	758
23:00	1.37	48.9	9.8	72.8	82.7	18.5	16.1	73	184	25.0	73.7	0.3	347	28	759
00:00	1.01	82.9	7.0	40.6	47.7	29.3	9.6	68	94	24.4	75.2	0.3	347	28	760
01:00	0.71	83.0	6.6	32.5	39.2	28.5	13.1	56	98	23.9	77.2	0.3	347	28	760
Average	0.96	86.4	7.5	37.5	45.0	27.0	19.8	65	125	27.0	67.3	0.6	332	97	757
Minimum	0.49	19.3	5.5	23.3	28.8	18.5	4.5	43	94	21.6	45.8	0.3	265	28	748
Maximum	1.45	161.0	10.6	72.8	82.7	30.3	31.5	100	194	34.1	82.4	1.4	347	411	762
Capture	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

NAAQ Std.(1Hr.) 04 180
NAAQ Std.(8Hr.) 02 100
NAAQ Std.(24Hr.) -
NAAQ Std.(Annual) 60