### 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.

Name of the Customer       Goa State Pollution Control Board         Address       Near Pileme 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       11.         Code No. of the Sample       GSPCB/23/17957 B         Date of Sample Receipt       11.01.2023         Seal / Tag details       Not Sealed         Date of Sample Collection       15.01.2023         Bate of Completion of Analysis       16.01.2023         Date of Sample Collection       IS 3025(Part 1)         Colour of Sample       Odourfree         Weather Condition       Clear         Odour of Sample       Clear         Vishble Effluent Discharge       No         Any other Specific activity observed       Suspended soot observed in water         Parameters       Test Methods       Units         Parameters       Suspended Edition       mg/l         Ocoper as Cu       3125 B, APHA 23rd Edition       mg/l         Nickle as Ni       3125 B, APHA 23rd Edition       mg/l       0.05		DA STATE POLLUTION CON ear Pilerne Industrial Estate, Opp S Saligao, Bardez, Goa - 40 : +91 (0832) 2407700, 2407701, 2 Fax: (0832) 240770 e-mail:goapcb@gspct web site:www.goaspcb.g	Saligao Semin 03 511. 2407702, 240 0 0.in,	hary,	
Fest Report No.:GSPCB/TR/23/28527       Date:16/01/2023         Name of the Customer       Goa State Pollution Control Board         Address       Near Pileme 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       11.         Code No. of the Sample       GSPCB/23/17957 B         Date of Sample Receipt       11.01.2023 &         Date of Sample Receipt       11.01.2023         Sale of Completion of Analysis       11.01.2023         Date of Completion of Analysis       16.01.2023         Date of Sample Collection       IS 3025(Part 1)         Colour of Sample       Clear         Odour of Sample       Clear         Odour of Sample       Suspended soot observed in water         Parameters       Test Methods       Units         Parameters       Test Methods       0.01         Copper as Cu       3125 B, APHA 23rd Edition       mg/l       0.04       0.05         Nickle as Ni       3125 B, APHA 23rd Edition       mg/l       0.04       0.05         Copper as Cu       3125 B, APHA 23rd Edition       mg/l       0.04       0.05	р				
Name of the Customer       Goa State Pollution Control Board         Address       Near Pileme 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       11.         Code No. of the Sample       Goa State Pollution Control Board         Date of Sample Receipt       11.01.2023 &         Date of Sample Receipt       11.01.2023         Seal / Tag details       Not Sealed         Date of Sample Collection       IS 3025(Part 1)         Colour of Sample       Clear         Visible Effluent Discharge       No         Any other Specific activity observed       Suspended soot observed in water         Parameters       Test Methods       Units         Parameters       Test Methods       0.03         Copper as Cu       3125 B, APHA 23rd Edition       mg/l       0.04       0.05         Nickle as Ni       3125 B, APHA 23rd Edition       mg/l       0.04       0.05         Cobait as Co       3125 B, APHA 23rd Edition       mg/l       0.04       0.05         Cobait as Co       3125 B, APHA 23rd Edition       mg/l       0.04       0.05   <		TEST REPORT			
Name of the Customer       Goa State Pollution Control Board         Address       Near Pileme 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         Data & Time of Sample Collection       11.01.2023 &         Date of Sample Received       Yot Sealed         Date of Sample Received       11.01.2023         Date of Sample Collection       11.01.2023         Date of Sample Collection       Silos	Test Peport No :GSPCB/TI	2/23/28527		Date:	16/01/2023
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- 5. Total liability of our laboratory is limited to the invoiced amount. Any dispute arising out of this report is subject to Goa Jurisdiction

6. Permissible Limits: as per Schedule I & VI of EPA Rules, 1986 as ammended by Second and Third ammendment 1993 for Effluents and as per IS 10500 : 2012 – Indian Standards for Drinking water Specification (Second Revision) and as per minutes of the 118<sup>th</sup>, 126<sup>th</sup>, 145<sup>th</sup> & 150<sup>th</sup> 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

GOA

### 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.goaspcb.gov.in

### TEST REPORT

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

### 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.

Analyst

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

**Authorised Signatory** 

Sanmesh Borkar Scientific Assistant

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.
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- only
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GSPCB/F/07

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And the state way	161. +91 (0	832) 2407700, 2407701, Fax: (0832) 24077		7703,	
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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.

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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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### **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.goaspcb.gov.in

### **TEST REPORT**

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

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

Analyst

Reema Redkar Junior Laboratory Assistant

Note

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GSPCB/F/07

Rev.No. 11 Issue Date : 23.02.2022 Sanjay Kankonkar Scientist B

Authorised Signatory

for GOA STATE POLLUTION CONTROL BOARD,

\*\*\* End of Report \*\*\*

Date: 16/01/2023

COA	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.goaspcb.gov.in				
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Code No, of the Sa Date & Time of Sar Date of Sample Re Seal / Tag details Date of Start of Ana Date of Completion Method of Sample Colour of Sample Odour of Sample Weather Condition Visible Effluent Dis Any other Specific Parameter	imple nple Collection ceipt alysis of Analysis Collection charge activity observed	1L GSPCB/23/17958 B 11.01.2023 & 11.01.2023 Not Sealed 11.01.2023 16.01.2023 IS 3025(Part 1) Clear Odourfree Clear No Suspended soot observ Test Methods	Units	Test Results	Limits
Code No, of the Sa Date & Time of Sar Date of Sample Re Seal / Tag details Date of Start of Ana Date of Completion Method of Sample Colour of Sample Odour of Sample Weather Condition Visible Effluent Dis Any other Specific Parameter	Imple mple Collection iceipt alysis of Analysis Collection charge activity observed rs 3125	1L GSPCB/23/17958 B 11.01.2023 & 11.01.2023 & Not Sealed 11.01.2023 16.01.2023 15 3025(Part 1) Clear Odourfree Clear No Suspended soot observ Test Methods B, APHA 23rd Edition	Units mg/l		Limits 0.003
Code No, of the Sa Date & Time of Sar Date of Sample Re Seal / Tag details Date of Start of Ana Date of Completion Method of Sample Odour of Sample Odour of Sample Weather Condition Visible Effluent Dis Any other Specific Parameter Cadmium as Cd	Imple Collection Inceipt alysis To of Analysis Collection Incharge activity observed rs 3125 3125	1L         GSPCB/23/17958 B         11.01.2023 &         11.01.2023         Not Sealed         11.01.2023         Not Sealed         11.01.2023         IS 3025(Part 1)         Clear         Odourfree         Clear         No         Suspended soot observ         Test Methods         B, APHA 23rd Edition         B, APHA 23rd Edition	Units mg/l mg/l	<b>Test Results</b> 0.003	Limits
Code No, of the Sa Date & Time of Sar Date of Sample Re Seal / Tag details Date of Start of Ana Date of Completion Method of Sample Colour of Sample Odour of Sample Weather Condition Visible Effluent Dis Any other Specific Parameter Cadmium as Cd Copper as Cu Nickle as Ni	Imple mple Collection ceipt alysis of Analysis Collection charge activity observed rs 3125 3125 3125	1L GSPCB/23/17958 B 11.01.2023 & 11.01.2023 & Not Sealed 11.01.2023 16.01.2023 15 3025(Part 1) Clear Odourfree Clear No Suspended soot observ Test Methods B, APHA 23rd Edition B, APHA 23rd Edition B, APHA 23rd Edition	Units mg/l mg/l mg/l	Test Results           0.003           0.18	Limits 0.003 0.05
Code No, of the Sa Date & Time of Sar Date of Sample Re Seal / Tag details Date of Start of An Date of Completion Method of Sample Colour of Sample Odour of Sample Weather Condition Visible Effluent Dis Any other Specific Parameter Cadmium as Cd Copper as Cu Nickle as Ni Chromium as Cr	Imple mple Collection iceipt alysis of Analysis Collection charge activity observed rs 3125 3125 3125 3125 3125	1L GSPCB/23/17958 B 11.01.2023 & 11.01.2023 & Not Sealed 11.01.2023 16.01.2023 15 3025(Part 1) Clear Odourfree Clear No Suspended soot observ Test Methods B, APHA 23rd Edition B, APHA 23rd Edition B, APHA 23rd Edition B, APHA 23rd Edition	Units mg/l mg/l mg/l mg/l	Test Results           0.003           0.18           0.06	Limits 0.003 0.05 0.02
Code No, of the Sa Date & Time of Sar Date of Sample Re Seal / Tag details Date of Start of Ana Date of Completion Method of Sample Colour of Sample Odour of Sample Weather Condition Visible Effluent Dis Any other Specific Parameter Cadmium as Cd Copper as Cu Vickle as Ni	imple mple Collection ceipt alysis of Analysis Collection charge activity observed rs 3125 3125 3125 3125 3125 3125 3125	1L GSPCB/23/17958 B 11.01.2023 & 11.01.2023 & Not Sealed 11.01.2023 16.01.2023 15 3025(Part 1) Clear Odourfree Clear No Suspended soot observ Test Methods B, APHA 23rd Edition B, APHA 23rd Edition B, APHA 23rd Edition	Units mg/l mg/l mg/l	Test Results           0.003           0.18           0.06           0.04	Limits 0.003 0.05 0.02 0.05

Contd..

Note

**#**\*

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

### GSPCB/F/07

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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.goaspcb.gov.in

### **TEST REPORT**

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

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/i	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,

**Authorised Signatory** 

Sanjay Kankonkar

Scientist B

Date: 16/01/2023

Analyst

### Sanmesh Borkar Scientific Assistant

Note

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### **TEST REPORT**

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

### Date: 16/01/2023

Name of the Customer Address	Goa State Pollution Co Near Pilerne Industrial Saligao-Goa		gao Seminary,			
Nature of Sample	Well water sample of M	Well water sample of Maria Machado				
Sample collected by	Freddy Barbosa (JLA),	Nishtha Lolayeka	r (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 obser	ved in water				
Parameters	Test Methods	Units	Test Results	Permissible Limits		
Total Coliform	9221 B, APHA 23rd Edition	MPN/100ml	25	-		
Fecal Coliform	9221 E, APHA 23 <sup>rd</sup> Edition	MPN/100ml	17	-		
E.Coli	9221 G, APHA 23rd Edition	-	Present	Nil		

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### **TEST REPORT**

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

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

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

Analyst

Kunthan

### Reema Redkar Junior Laboratory Assistant

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### Rev.No. 11

Issue Date : 23.02.2022

2 of 2

Authorised Signatory

Date: 16/01/2023

Sanjay Kankonkar Scientist B



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### **TEST REPORT**

Saligao-Goa

11.01.2023 &

11.01.2023

Not Sealed

11.01.2023

16.01.2023

Odourfree

Clear

Clear

No

IS 3025(Part 1)

GSPCB/23/17960 B

11

Goa State Pollution Control Board

Well water sample of Vasudev Bhobe

Near Pilerne Industrial Estate, Opp. Saligao Seminary,

Freddy Barbosa (JLA), Nishtha Lolayekar (JLA)

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

### Date:16/01/2023

Name	of	the	Customer	
Addres	SS			

Nature of Sample Sample collected by Quantity of Sample Received Code No. of the Sample Date & Time of Sample Collection Date of Sample Receipt Seal / Tag details Date of Start of Analysis Date of Start of Analysis Date of Completion of Analysis Method of Sample Collection Colour of Sample Odour of Sample Weather Condition Visible Effluent Discharge Any other Specific activity observed Parameters

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

### Contd..

Note

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### TEST REPORT

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

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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,

**Authorised Signatory** 

Sanjay Kankonkar

Scientist B

Date: 16/01/2023

Analysi

### Sanmesh Borkar Scientific Assistant

Note :

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- 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.

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### **TEST REPORT**

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

### Date: 16/01/2023

Name of the Customer Address Nature of Sample Sample collected by Quantity of Sample Received Code No. of the Sample Date & Time of Sample Collect Date of Sample Receipt Seal / Tag details Date of Sample Receipt Seal / Tag details Date of Start of Analysis Date of Completion of Analysis Method of Sample Collection Colour of Sample Odour of Sample Weather Condition Visible Effluent Discharge Any other Specific activity obset	11.01.2023 Not Sealed 11.01.2023 16.01.2023 IS 3025(Part 1) Clear Odourfree Clear	al Estate, Opp. Sal		
Parameters				
Parameters	Test Methods	Units	Test Results	Permiss
Total Coliform	9221 B, APHA 23 <sup>rd</sup> Edition	MPN/100ml	17	Linne

Total Coliform		Units	Test Results	Permissible Limits
	9221 B, APHA 23 <sup>rd</sup> Edition	MPN/100ml	17	
Fecal Coliform	9221 E, APHA 23 <sup>rd</sup> Edition	MPN/100ml	44	-
E Coli			11	-
	9221 G, APHA 23 <sup>rd</sup> Edition	-	Present	Nil

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7. The method, location of Sampling including any diagram, sketch, photograph, if any may be enclosed. GSPCB/F/07

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### **TEST REPORT**

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

Remarks: E Coli is Present in the analysed sample.

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

Analyst

Kanekas

### Reema Redkar Junior Laboratory Assistant

Note

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### GSPCB/F/07

### Rev.No. 11

Issue Date : 23.02.2022

Sanjay Kankonkar

Authorised Signatory

Date: 16/01/2023

Scientist B

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### **TEST REPORT**

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

### Date: 16/01/2023

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Contd..

0.04

0.001

0.005

mg/l

mg/l

mg/l

Name of the Customer Address Nature of Sample Sample collected by Quantity of Sample Received Code No of the Sample Date & Time of Sample Collection Date of Sample Receipt Seal / Tag details Date of Start of Analysis	Near Pilerne Industrial Saligao-Goa Saipem lake water sam Freddy Barbosa (JLA), 1L GSPCB/23/17959 B 11.01.2023 & 11.01.2023 Not Sealed 11.01.2023	Saipem lake water sample, Saligao Freddy Barbosa (JLA), Nishtha Lolayekar (JLA) 1L GSPCB/23/17959 B 11.01.2023 & 11.01.2023 Not Sealed				
Date of Completion of Analysis Method of Sample Collection						
Colour of Sample	Clear					
Odour of Sample	Odourfree	Odourfree				
Weather Condition	Clear					
Visible Effluent Discharge	No					
Any other Specific activity observe	ed 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	71		
Nickle as Ni	3125 B, APHA 23rd Edition	mg/i	0.03	-		
Chromium as Cr	3125 B, APHA 23rd Edition	mg/l	0.04	5		

Note

Zinc as Zn

Cobalt as Co

Lead as Pb

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3125 B, APHA 23rd Edition

3125 B, APHA 23rd Edition

3125 B, APHA 23rd Edition

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### GOA STATE POLLUTION CONTROL BOARD

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### **TEST REPORT**

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

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### Date: 16/01/2023

Parameters	Test Methods	Units	Test Results	Permissible Limits
Iven on Fo	3125 B, APHA 23rd Edition	mg/l	0.81	-
Iron as Fe 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,

**Authorised Signatory** 

Sanjay Kankonkar

Scientist B

Analys

### Sanmesh Borkar Scientific Assistant

Note

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### GSPCB/F/07

Rev.No. 11



Note

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### **TEST REPORT**

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

i.

Remarks: Total coliform parameter is within the permissible limits.

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

Analyst

Kauleka

**Authorised Signatory** P

Date: 16/01/2023

Sanjay Kankonkar Scientist B

### Reema Redkar Junior Laboratory Assistant

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- 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
- 6. Permissible Limits: as per Schedule I & VI of EPA Rules, 1986 as ammended by Second and Third ammendment 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

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# Location : Saligao Nr. : Near GSPCB Office

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

VWS	n/\5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	0.0	100.0
	đ	51	53	751	53	52	52	751	5	51	51	51	52	52	753	2	53	52	51	51	50	750	50	50	50	751	50	_	100.0
		-	~		~	~	~	~		+			-							_	_	_	~	~	~	_		_	-
SR	lu/M	29	29	<b>5</b> 9	<b>5</b> 8	28	28	58	<b>3</b> 8	28	28	<b>5</b> 8	83	175	282	99 990 990	390	422	162	ß	<b>6</b>	44	38	29	28	101	28	422	100
MD	deg.	347	347	341	191	266	332	319	332	322	347	347	347	347	344	327	270	299	330	323	341	340	342	321	348	324	191	348	100.0
SW	s/m	2.1	2.6	1.7	0.3	0.3	0.4	0.4	0.6	0.3	0.3	0.3	0.7	0.7	1.1	0.9	1.3	0.5	0.4	<b>4</b> .0	0.4	0.5	0.6	0.8	1.7	0.8	0.3	2.6	100.0
RH	0/0	54.3	52.7	51.9	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.2	51.9	54.3	100.0
AT	Ç.	27.4	27.1	27.0	26.3	25.9	25.0	25.4	25.6	26.1	24.9	23.9	24.2	26.0	28.0	31.1	32.8	34.0	32.6	31.7	31.1	30.5	29.6	28.7	27.7	28.0	23.9	34.0	100.0
PM10	, ш/brl	94	78	77	106	66	117	100	88	72	83	102	102	95	101	85	77	71	69	75	62	60	63	66	87	85	60	117	100.0
PM2.5	tid/m،	71	58	55	77	73	72	63	55	46	44	65	63	49	69	69	43	38	48	43	31	35	35	49	55	54	31	77	100.0
SO2	, w/bri	16.5	11.7	8.6	7.0	7.8	9.9	6.4	3.9	16	2.2	5.6	7.3	5.7	6.6	7.4	8.2	8.8	8.6	9.2	7.9	8.6	8.4	6.5	6.3	7.5	1.6	16.5	100.0
NH3	,ш/бл	6.8	7.6	7.3	7.0	8.3	7.5	6.1	5.1	4 7	4.7	4.6	4.5	3.9	3.6	3.6	4.5	4.2	4.8	4.9	4.8	5.3	5.3	5.5	5.2	5.4	3.6	8.3	100.0
NOX	, w/bri	11.1	8.8	6.6	15.0	11.3	12.8	10.0	8.9	7.7	8.1	13.7	14.7	14.9	32.5	32.1	9.3	9.3 1	8.5	6.7	8.4	7.5	5.6	5.8	80	11.4	4.8	32.5	100.0
NO2	, w/bri	10.6	8.2	6.0	14.4	10.7	12.1	4 6	8.4	7.2	7.7	12.9	14.2	14.1	32.3	31.9	8.9	8.8	7.9	62	4.5	6.9	4.8	5.5	8.1	10.9	4.5	32.3	100.0
ON	, w/bn	0.5	0.6	0.6	9.0	0.6	0.7	0.6	0.5	0.5	0.5	0.8	0.5	08	0.2	0.2	4.0	0.4	0.6	0.5	0.3	0.6	0.8	0.3	0.7	0.5	0.2	0.8	100.0
03	ua/m <sup>;</sup>	149.8	155.8	155.0	120.8	119.8	96 1	88.5	81.0	81.2	72.6	57.4	64.3	63.0	53.9	76.3	121.0	133.8	149.4	142.9	132.9	131.1	135.8	131.6	130.1	110.2	53.9	155.8	100.0
co	, tu/otu	1 03	0.60	0.15	1 40	1.51	1.90	2.56	5.06	2.83	1.59	3.29	9.53	6 11	3 72	5.37	8 82	665	33	3 94	5.59	3.59	2.94	14.02	15.05	4.57	0.15	15.05	100.0
Time	(hrs)	00:00	21-00	22:00	23:00	00-00	01:00	02:00	03:00	00.50	00:90	00:90	07:00	00.80	00-60	10.00	11-00	12-00	8	14:00	18,00	16:00	17.00	18.00	19-00	Average	Minimum	Maximum	Capture

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

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

GOA	

### **GOA State Pollution Control Board** Daily Report on CAAQMS Mobile Van 1

## Location : Saligao Near GSPCB Office

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

VWS	mic		00	00	0.0	00	00	00	00	00	00	00	0.0	00	00	00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	00	0.0	0.0	0.0	1000
BP	meHo	751	752	752	752	751	751	750	750	750	750	751	751	752	752	753	753	751	750	749	748	748	749	750	751	751	748	753	100.0
SR	Wilm <sup>2</sup>	28	28	28	28	28	28	28	28	28	28	28	54	156	257	349	394	411	159	53	48	43	37	29	28	97	28	411	100.0
DM	Чел	347	347	347	347	348	317	303	347	347	347	347	347	346	265	298		323	337	331	336	338	303	333	346	332	265	348	100.0
WS	m/s	0.7	6.0	1.5	1.1	4	6.0	0.5	0.4	0.8	1.0	1.2	1.0	0.4	0.4	9.0	0.6	0.5	0.5	0.6	1.0	1.1	1.0	1.3	2.0	6.0	0.4	2.0	100.0
RH	%	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.5	52.5	52.6	52.7	52.7	52.7	52.8	53.6	54.8	54.6	55.9	56.9	56.7	56.9	56.8	57.2	57.2	54.0	52.3	57.2	100.0
AT	C	27.2	26.8	26.9	25.9	24.9	24.6	24.4	24.0	23.4	23.1	22.8	22.9	25.6	28.7	31.3	33.3	33.7	32.0	30.7	30.2	29.5	29.0	28.2	27.8	27.4	22.8	33.7	100.0
PM10	ng/m	95	97	75	107	69	109	101	111	125	92	80	84	82	100	115	117	119	86	88	87	91	98	68	80	96	69	125	100.0
PM2.5	hq/m <sup>3</sup>	61	53	45	99	53	64	71	74	59	58	59	55	56	61	65	68	64	56	50	47	57	59	61	51	59	45	74	100.0
S02	hq/m <sup>3</sup>	1.5	3.4	4.4	4.7	4.2	5.1	5.8	5.6	6.5	6.5	6.5	7.1	6.7	7.5	6.9	9.4	11.5	11.9	8.4	7.9	7.7	7.8	6.4	5.8	6.6	1.5	11.9	100.0
NH3	, mg/m	5.7	6.9	7.2	7.0	6.2	6.4	7.0	6.3	5.8	5.2	4.8	4.9	4.5	4.8	5.9	5.4	5.0	4.6	4.3	4.4	4.6	4.6	5.9	10.2	5.7	43	10.2	100.0
NOX	, m/pu	13.0	9.3	5.3	10.6	12.4	9.6	10.0	11,9	11.0	12.1	12.8	9.2	11.8	20.4	22.0	17.5	9.9	8.1	5.9	5.0	4.7	6.2	7.1	8.3	10.6	4.7	22.0	100.0
NO2	ូឃ/សិក	12.2	8.6	4.6	10.0	11.5	9.1	9.5	11.4	10.6	11.3	11.9	8.3	10.9	19.3	20.9	16.7	9.5	7.0	5.0	4.6	4.4	5.6	6.4	7.6	9.9	4.4	20.9	100.0
NO	,uu/6rt	0.9	0.7	0.6	0.7	0.9	0.5	0.5	0.5	0.4	0.7	0.0	0.9	0.9	1.1	1.1	0.7	0.4	1.1	6.0	0.4	0.3	0.6	0.7	0.6	0.7	0.3		100.0
03	hg/m <sup>3</sup>	121.1	129.3	147.2	112.3	95.5	0.66	80.6	77.5	73.4	77.2	73.7	70.4	85.7	83.1	9.66	104.0	166.2	170.0	169.2	186.8	185.2	201.0	192.4	207.0	125.3	70.4	207.0	100.0
co	'mg/m'	6.55	1.74	2.24	2.75	141	0.60	0.54	0.55	0.45	0.28	0.32	0.46	1.45	2.07	0.58	0.77	1.19	0.86	0.67	0.56	0.87	1.02	96.0	1.15	1.25	0.28	6.55	100.0
Time	(hrs.)	20:00	21:00	22:00	23:00	00:00	01:00	02:00	03:00	04:00	02:00	08:00	00:20	08:00	00:60	10:00	11:00	12:00	13:00	14:00	10:00	16:00	00:71	18:00	19:00	Average	Minimum	Vlaxımum	Capture

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

NAAQ Sid(1Hr.) 04		,	•	•		•	i	ł
NAAQ Sid(8Hr.) 02	100			,	2.25	) 	š 19	
NAAQ Sid (24Hr.) _		,	80	,	400	80	. 09	100
NAAQ Std (Annual)		×	40	2	100	50	40	60

GOA State Pollution Control Board Daily Report on CAAQMS Mobile Van 2 Location : Panjim : Near EDC patto panjim

GOA

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

BP	gHmm	761	761	762	762	762	762	762	760	757	754	749	748	749	750	750	753	755	756	757	758	750	750	80	/60	760	757	748	762	100.0
SR	WIM	28	28	28	28	28	62	175	282	366	390	422	162	56	49	44	38	29	28	28	28	28	000	07	28	28	100	28	422	100.0
MD	deg.	319	332	322	347	347	347	347	344	327	270	299	330	323	341	340	342	321	348	347	247	247	140	145	348	317	333	270	348	100.0
WS	m/s	0.3	0.3	0.3	0.3	0.3	0.3	0.3	03	0.3	0.5	0.6	1.3	1.4	1.7	1.3	1.4	07	0.3	0.9	60		2.0	5.0	0.3	0.3	0.6	0.3	1.7	100.0
RH	0/0	80.8	80.9	81.6	81.8	82.0	82.0	79.4	70.0	54.0	47.3	42.5	44.7	45.7	45.8	46.4	51.9	57.7	63.5	70.3	73.2	0.01	0.01	/9.0	79.3	79.4	66.5	42.5	82.0	100.0
AT	C	23.3	22.9	22.7	22.0	21.6	213	22.0	24.1	27.7	30.6	34.1	33.6	33.6	33.1	33.3	31.0	8 00	28.5	27.1		20.0	4.07	24.7	24.1	23.6	26.9	21.3	34.1	100.0
PM10	hq/m	113	114	115	83	119	224	111	112	98	65	80	96	129	84	92	97	122	122	104	020	212	LOZ	111	129	109	121	65	272	100.0
PM2.5	,m/pu	83	75	76	65	72	85	71	71	52	43	48	51	41	35	43	40	27	5	5	10	8	901	74	72	70	64	35	106	100.0
S02	ua/m <sup>3</sup>	29.6	25.8	216	210	101	22.6	2.22	7.50	20 5	24.2	28.0	237	20.6	223	217	000	10.1	0.04		0.01	10.3	13.3	10.7	18.0	15.8	21.2	10.7	34.3	100.0
NH3	na/m²	7 7	20.6	000	23.2	4.04	170	1.00	25.6	0.70	A AC	27.4	203	205	30.5	30.05	0.00	0.00	40.0	0.0	23.1	13.0	20.7	31.5	26.2	28.0	23.3	65	31.5	100.0
NOX	ma/m <sup>3</sup>	17.6	53.8	67.2	0.46	0.10	0.10	0.00	20.4		0.00	20.10	28.6	20.02	26.7	30.8	2000	1.00	14.0	0.001	1.4/	106.2	106.8	57.3	50.6	42.6	0.95	17.6	106.8	100.0
NO2	ind im <sup>3</sup>	44.4	1 4		0. M	0.70	2.10	0.10	44 5		10.04	107	24.0	0.10	10.4	0.00	20.02	20.0	0.20	D'AR	63.3	78.7	72.8	46.0	42.4	34.1	43.5	114	89.0	100.0
ON	a de la		0.7	10.11	2.07	13.0	9.02	22.0	19.1	0.01	13.0	4. 4	0.0					2.7	4.5	1.11	10.8	27.5	34.0	11.3	82	1 4	12.4	6.5	340	1000
~0	5 ml	, bu	1.12	32.0	7.21	11.4		2.0	11.4	28.3	2.00	1.000	109.0	100.0	0.701	141.0	8.221	1.711	65.3	31.3	31.1	4.6	3.7	23.3	23.1	33.0	9.00	270	155.5	
00		uniquin	0.86	0.42	0.69	0.92	1 90	1.58	1.51	5.1	0.90	0.99	0.62	19.0	0.47	0.40	/90	0.63	101	1.50	1.43	1.87	1.94	1 20	4 4 4	000	20.0	010	104.0	1000
		(hrs )	02:00	03:00	04:00	02:00	00:90	00:20	08:00	00:60	10:00	11:00	12:00	13:00	14:00	2:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	00.55	00.00	00.00	00:10	Average	Minimum	Maximum

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

NAAQ Sid (IHr.) 04	2	180	ï	14	•		a .		
( THEO DIE )	02	001				400	80	- 09	100
Q Sid (Annul	- £	e i		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

GOA

ВР	pHmm	761	761	762	762	762	762	761	760	757	754	749	748	749	750	751	753	755	756	756	757	758	759	760	760	757	748	762	100.0
SR	Wim	28	28	28	28	28	54	156	257	349	394	411	159	53	48	43	37	29	28	28	28	28	28	28	28	97	28	411	100.0
MD	deg.	303	347	347	347	347	347	346	265	298	283	323	337	331	336	338	303	333	346	347	347	347	347	347	347	332	265	347	100.0
WS	s/ui	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.9	1.1	1.3	1.4	1.4	1.2	1.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.3	1.4	100.0
RH	%	79.8	82.0	82.4	81.9	81.9	80.5	80.0	73.3	64.4	52.5	47.9	46.0	45.8	48.2	54.1	60.6	63.8	65.8	63.6	62.9	71.4	73.7	75.2	77.2	67.3	45.8	82.4	100.0
AT	0	23.2	22.9	22.4	22.0	21.8	21.6	22.4	24.2	26.8	30.4	33.6	34.1	33.8	33.3	32.8	30.9	29.6	28.8	28.1	27.2	25.8	25.0	24.4	23.9	27.0	21.6	34.1	100.0
PM10	hg/m"	146	120	104	104	111	110	119	116	108	118	134	164	101	110	139	144	138	131	95	135	166	194	94	98	125	94	194	100.0
PM2.5	hg/m³	100	86	75	66	73	68	78	78	61	61	53	59	43	43	59	66	67	58	51	55	67	73	68	56	65	43	100	100.0
S02	hg/m <sup>a</sup>	19.1	24.1	20.8	22.8	22.7	18.9	19.0	18.5	21.0	30.8	24.4	20.7	16.6	18.2	21.0	22.6	31.5	28.1	22.3	8.3	4.5	16.1	9.6	13.1	19.8	4.5	31.5	100.0
NH3	em/gu	26.5	26.8	28.4	27.9	27.8	26.2	26.4	27.4	27.7	26.5	26.3	29.6	30.3	30.1	29.1	28.6	27.0	24.5	29.8	24.0	21.8	18.5	29.3	28.5	27.0	18.5	30.3	100.0
NOX	hg/m³	40.8	39.3	32.7	30.6	31.5	37.2	44.7	49.6	45.3	44.6	49.8	40.0	29.3	28.8	33.4	42.3	53.9	69.3	41.3	54.4	72.2	82.7	47.7	39.2	45.0	28.8	82.7	100.0
NO2	m/gu	32.8	31.0	24.7	23.6	24.7	30.6	35.1	39.0	35.6	36.6	40.9	33.0	23.7	23.3	27.5	36.1	47.2	61.7	34.6	48.3	64.6	72.8	40.6	32.5	37.5	23.3	72.8	100.0
ON	uq/m <sup>2</sup>	8.0	8.3	8.0	7.0	6.8	6.6	9.6	10.6	9.7	8.1	8.9	6.9	5.6	5.5	5.8	6.3	6.7	7.5	6.7	6.1	7.6	8.0	7.0	6.6	7.5	5.5	10.6	100.0
03	hq/m³	24.3	19.3	22.7	23.7	23.3	38.2	37.5	45.5	67.3	96.1	132.7	153.5	145.7	149.4	158.3	161.0	152.5	111.7	136.7	99.7	60.3	48.9	82.9	83.0	86.4	19.3	161.0	100.0
CO	mq/m	0.84	0.87	0.89	1.14	0.98	0.94	1.12	1.45	1.33	1.11	0.96	0.63	0.49	0.55	0.72	0.81	0.91	1.02	0.82	0.96	1.32	1.37	1.01	0.71	0.96	0.49	1.45	100.0
Time	(hrs.)	02:00	03:00	04:00	02:00	06:00	07:00	08:00	00:60	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	00:00	01:00	Average	Minimum	Maximum	Capture

· <u>0</u> 9 , 9 9 - 80 100 - 8 9 180 8 NAAQ Std. (8Hr.) 02 NAAQ Std. (24Hr.) -NAAQ Std.(1Hr.) 04 NAAQ Std. (Annual)