

STAR CEMENT LIMITED

Ref: SCL/EHS/LUM/2024-25/17

Dated: 08/02/2025

To,

The Member Secretary
Meghalaya State Pollution Control Board
'ARDEN', Lumpyngngad,
Shillong, Meghalaya - 793014

Subject : Submission of Environmental Monitoring Report for the month of January, 2025.

Reference : MPCB/ONLINE-CTO(R-1) EJHD/2021/2023-2024/34-A, Dated Shillong, the 23rd January, 2024.

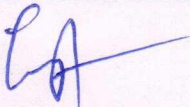
Dear Sir,

This is in reference to above cited subject, we are hereby submitting the monthly Environmental monitoring reports of Ambient Air Quality for plant and ESZ including meteorological data, Stack Emission, Fugitive Emission, Surface water & Waste Water (STP) monitoring reports of **Star Cement Limited (Line-I & Line-II)** for the month of **January, 2025**.

This is for your kind information, record and kindly acknowledges receipt of the same.

Thanking you,

Yours truly,
For **Star Cement Limited**



Laxmaiah Munjala
Unit Head

Enclosed: a/a

Copy To: The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.

	STAR CEMENT LIMITED			
	Lumshnong, Meghalaya			
Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-01-2025	720.0	72.1	20.7	0.0
02-01-2025	717.4	70.9	20.4	0.0
03-01-2025	717.1	71.7	20.2	0.0
04-01-2025	723.3	70.0	21.1	0.0
05-01-2025	720.6	69.8	21.5	0.0
06-01-2025	726.1	70.8	20.4	0.0
07-01-2025	720.7	69.6	20.5	0.0
08-01-2025	723.4	69.4	20.7	0.0
09-01-2025	725.0	69.6	20.6	0.0
10-01-2025	722.7	70.7	21.0	0.0
11-01-2025	720.7	73.9	20.9	0.0
12-01-2025	720.2	73.3	22.7	0.0
13-01-2025	720.1	73.5	20.8	0.0
14-01-2025	722.9	75.3	20.9	0.0
15-01-2025	723.1	75.5	21.8	0.0
16-01-2025	722.5	72.7	21.4	0.0
17-01-2025	722.7	73.8	22.0	0.0
18-01-2025	721.1	75.1	21.3	0.0
19-01-2025	718.7	71.2	21.2	0.0
20-01-2025	723.5	68.2	22.6	0.0
21-01-2025	724.0	67.2	20.4	0.0
22-01-2025	721.7	72.0	20.7	0.0
23-01-2025	723.9	70.8	20.8	0.0
24-01-2025	725.5	69.7	22.0	0.0
25-01-2025	724.7	72.4	21.7	0.0
26-01-2025	719.5	69.1	20.9	0.0
27-01-2025	726.3	72.0	21.4	0.0
28-01-2025	724.1	73.4	20.4	0.0
29-01-2025	722.9	73.0	20.1	0.0
30-01-2025	721.5	73.0	21.2	0.0
31-01-2025	719.2	70.5	20.1	0.0
			Total	0.0

	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Issue:	24.08.2013
			Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/22			Month : January	
Location of Sampling: Near Star Club		GPS Coordinate: 25°10'36"N 92°23'16"E 928 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.01.2025	49.41	33.20	16.00	18.69
06.01.2025	50.93	35.09	16.06	16.85
09.01.2025	51.38	35.23	14.27	18.60
13.01.2025	48.98	33.21	14.06	17.22
17.01.2025	49.98	32.09	15.24	18.62
20.01.2025	49.62	34.93	14.09	16.12
23.01.2025	46.76	34.04	14.85	17.62
27.01.2025	44.72	32.59	15.40	16.43
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by	 Checked by	 Verified By		

	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/22			Month : January	
Location of Sampling: Near Pump House		GPS Coordinate: 25°10'42"N 92°23'32"E 919 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.01.2025	64.24	40.39	19.27	20.64
06.01.2025	63.06	41.68	20.29	20.97
09.01.2025	65.29	38.38	20.75	18.64
13.01.2025	60.46	41.68	20.20	21.75
17.01.2025	66.40	40.25	18.31	20.94
20.01.2025	65.26	38.38	16.63	21.80
23.01.2025	64.16	38.35	21.37	23.89
27.01.2025	62.25	37.43	20.46	20.13
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by  Checked by  Verified by				

	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
	AMBIENT AIR QUALITY MONITORING REPORT		Date of Issue:	24.08.2013
			Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/22			Month : January	
Location of Sampling: Near Security Gate - 3		GPS Coordinate: 25°10'27"N 92°23'37"E 944 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
02.01.2025	63.17	39.88	19.76	21.68
06.01.2025	59.24	40.54	19.80	21.92
09.01.2025	57.30	38.57	20.42	22.82
13.01.2025	62.31	37.62	19.73	20.89
17.01.2025	62.90	40.54	20.45	20.02
20.01.2025	60.26	41.29	18.50	21.66
23.01.2025	61.31	42.59	23.22	22.92
27.01.2025	64.27	42.62	21.09	18.33
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Shailendra Kumar Analysed by		 Y. K. Gaurav Checked by		 Y. K. Gaurav Verified By

	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: Tongseng Village /2024-25/19			Month : January	
Location of Sampling: Tongseng Village		GPS Coordinate: 25°10'08"N 92°24'17"E 756 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
07.01.2025	47.70	17.91	12.91	16.47
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by  Checked by  Verified By				

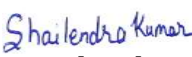
	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/22			Month : January	
Location of Sampling: Project South Direction		GPS Coordinate: 25°10'26"N 92°23'22"E 931 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
03.01.2024	51.90	38.22	17.83	19.83
07.01.2025	57.63	38.86	16.58	21.09
10.01.2025	53.93	36.87	18.90	18.79
15.01.2025	52.52	39.05	15.83	19.03
18.01.2025	55.71	38.07	17.96	21.42
21.01.2025	57.84	36.15	17.05	17.09
25.01.2025	57.97	40.06	17.22	18.42
28.01.2025	56.90	36.84	16.45	19.74
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/22			Month : January	
Location of Sampling: Project North Direction		GPS Coordinate: 25°10'25"N 92°23'20"E 935 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
03.01.2024	53.67	37.75	18.76	20.59
07.01.2025	59.40	38.39	16.12	21.85
10.01.2025	55.70	36.40	18.44	19.55
15.01.2025	54.29	38.58	15.37	19.79
18.01.2025	57.48	37.60	16.81	22.18
21.01.2025	59.61	35.68	16.59	17.85
25.01.2025	59.74	39.59	16.76	19.18
28.01.2025	58.67	33.37	15.99	20.50
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/22			Month : January	
Location of Sampling: Approach Road		GPS Coordinate: 25°10'30"N 92°23'21"E 928 m		
Sampling Duration:	24 Hrs.	24 Hrs.	24 Hrs.	24 Hrs.
Date of Sampling	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
03.01.2024	57.60	41.17	16.48	19.86
07.01.2025	63.42	42.05	17.50	20.89
10.01.2025	64.50	42.71	17.96	18.87
15.01.2025	65.32	41.04	17.41	17.80
18.01.2025	66.31	38.87	15.93	17.05
21.01.2025	64.09	41.24	14.25	17.91
25.01.2025	61.42	46.69	16.41	17.89
28.01.2025	64.31	39.91	15.50	15.80
NAAQS permissible limits for Rural, Industrial, Residential Area	100 (µg/m ³)	60 (µg/m ³)	80 (µg/m ³)	80 (µg/m ³)
Remarks: All the analyzed parameters are well within the permissible limits of NAAQ Standards , Notification dated 18th November 2009.				
 Analysed by		 Checked by		 Verified By

	STAR CEMENT LIMITED Lumshnong, Meghalaya						Reference No.	SCL/Env/F-02	
							Issue No.	1	
	STACK EMISSION MONITORING ANALYSIS REPORT						Date of Issue	01.05.2019	
							Revision No.	5	
Report No: SCL/ENV/STACK/MONTHLY/2024-25/22						Date of Rev.			01.06.2021
Month: January									
Analysis Result									
A. General Information About Stack									
1	Stack Identification No	S-1	S-2	S-3	S-4	S-5	S-6	S-7	S-8
2	Stack Connected to	Kiln/Raw Mill	Coal Mill	Cooler	Roller Press	Cement Mill	Packing Plant	Primary Crusher	Secondary Crusher
3	Material of Construction (Stack/Duct)	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel	Mild Steel
4	Shape of duct	Circular	Circular	Circular	Circular	Circular	Circular	Circular	Circular
5	Whether duct is provided with permanent platform & ladder	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B. Physical characteristic of stack									
1	Stack Height from ground level (meter)	45.4	37	30.4	24	30	28	21	17
2	Duct diameter at sampling point (meter)	3	1.2	2.8	1.4	1.5	1.1	1.2	1.0
3	Sampling height point from ground level (meter)	-	-	-	-	-	-	-	-
4	Cross sectional area of Duct/Stack (m ²)	7.07	1.13	6.15	1.54	1.77	0.95	1.13	0.79
C. Pollution Control Device									
1	Details of pollution control device attached to stack	Reverse Air Bag House	Bag Filter	ESP	Bag Filter	Bag Filter	Bag Filter	Bag Filter	Bag Filter
D. Result of Sampling & Analysis of Gaseous Emission									
1	Date of Sampling	15-01-2025	17-01-2025	16-01-2025	18-01-2025	21-01-2025	22-01-2025	13-01-2025	14-01-2025
2	Ambient Temp (°C)	23	24	21	19	21	18	22	20
3	Stack Gas Temp (°C)	130	55	121	38	31	32	26	25
4	Exit Velocity of Gas (m/sec.)	17.32	14.21	10.11	14.81	12.60	12.18	13.36	12.87
5	Flow Rate (Nm ³ / sec.)	85.55	13.62	35.51	18.36	20.34	10.63	14.01	9.53
6	Quantity of Emission (Nm ³ / Hr)	308704.02	49771.03	161551.05	73258.22	73457.19	38495.02	50573.75	34365.78
7	Concentration of PM (mg/Nm ³)	16.0	24.2	20.8	19.6	24.6	25.9	18.5	22.1
8	Concentration of SO ₂ (mg/Nm ³)	512.4	-	-	-	-	-	-	-
9	Concentration of NO _x (mg/Nm ³)	422.0	-	-	-	-	-	-	-
10	Oxygen (O ₂) (%)	10.0	9.6	8.9	10.5	9.9	9.0	10.2	9.1
E. Remarks									
Standard									
PM - 30 mg/Nm ³			SO ₂ - 1000 mg/Nm ³			NO _x - 800 mg/Nm ³			
Particulate Matter (PM), Sulphur di-oxide (SO ₂), Oxide of Nitrogen (Nox), Electro Static Precipitator (ESP)									
 Analysed by			 Checked by			 Authorized Signatory			

	STAR CEMENT LIMITED Lumshnong, Meghalaya		Document No.	SCL/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: SCL/ENV/FUGITIVE/MONTHLY/2024-25/22				
Month - January				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)		(in $\mu\text{g}/\text{m}^3$)
04.01.2025	Coal Storage Section	1398	2000	
04.01.2025	Limestone Storage Section	1557	5000	
 Analyzed By  Checked by  Verified By				

	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya		Document No.	SCL/EHS/Env/F-04
			Date of Issued	01-05-2019
			Revision No.	2
	FUGITIVE EMISSION MONITORING REPORT		Revision Date	01-01-2021
Ref: SCL(II)/ENV/FUGITIVE/MONTHLY/2024-25/22				
Month - January				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
08.01.2025	Coal Storage Section	1315	2000	
08.01.2025	Limestone Storage Section	2145	5000	
   Analyzed By Checked by Verified By				

	STAR CEMENT LIMITED Lumshnong, Meghalaya				Document No.	SCL/EHS/Env/F-03			
					Effective Date	01-05-2019			
	NOISE LEVEL MONITORING REPORT				Revision No.	04			
					Revision Date	01-01-2021			
Ref: SCL/ENV/NOISE/MONTHLY/2024-25/22									
Date: 04.01.2025									
Month - January									
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)	Measured Values dB(A) Night time (10:00pm to 6:00am)			Norms in dB(A)
		Min.	Max.	Avg.		Min.	Max.	Avg.	
A. Plant									
1	Kiln	69.2	73.2	71.2	75	50.1	60.5	55.3	70
2	Raw Mill	50.3	71.2	60.8		47.9	57.3	52.6	
3	Raw Mill WF	53.5	69.5	61.5		51.1	58.4	54.8	
4	Coal Mill	51.8	72.2	62.0		49.4	56.6	53.0	
5	Cement Mill	66.5	73.2	69.9		65.4	69.5	67.5	
6	Cement Mill WF	65.3	68.9	67.1		64.9	67.4	66.2	
7	Primary Crusher (Dump Hopper)	50.3	69.0	59.7		47.9	56.8	52.4	
8	Primary Crusher (Near BC-1)	56.3	69.5	62.9		50.4	58.6	54.5	
9	Secondary Crusher	62.4	68.6	65.5		47.9	59.0	53.5	
B. DG House									
1	Control Room	49.8	62.4	56.1	75	47.4	60.0	53.7	70
2	Office	51.3	50.3	50.8		48.9	47.9	48.4	
C. Offices									
1	CCR	40.4	50.8	45.6	75	43.2	53.6	48.4	70
2	Meeting Room	41.9	50.4	46.1		44.7	53.2	48.9	
3	VP'S Room	35.8	40.1	37.9		38.5	42.9	40.7	
4	Inst. Shift Room	40.9	43.7	42.3		43.7	46.4	45.1	
5	Drawing Office	40.4	49.8	45.1		43.2	52.6	47.9	
6	QC Department								
	a) Chemical Lab	51.4	53.5	52.4		45.9	48.0	47.0	
	b) Physical Lab	50.4	54.9	52.6		45.9	50.4	48.2	
	c) Shift Lab	45.7	50.3	48.0		41.2	45.8	43.5	
	d) Sample Preparation Room	42.8	50.2	46.5	38.3	45.7	42.0		
D. Residential									
1	Bachelor Hostel	35.5	40.1	37.8	55	33.1	37.7	35.4	45
2	HOD'S Quater's	31.5	42.4	36.9		29.1	40.0	34.6	
3	650 Quater's	33.4	42.1	37.7		31.0	39.7	35.4	
4	250 Quater's	33.8	40.4	37.1		31.4	38.0	34.7	
5	Hut	32.8	40.8	36.8		30.4	38.4	34.4	
E.	Dispensary	32.5	39.4	35.9		30.1	37.0	33.6	
 Analyzed by  Checked By  Verified By									

	STAR CEMENT LIMITED Line II Lumshnong, Meghalaya				Document No.	SCL/EHS/Env/F-03			
					Effective Date	01-05-2019			
					Revision No.	04			
	NOISE LEVEL MONITORING REPORT				Revision Date	01-01-2021			
Ref: SCL/ENV/NOISE/MONTHLY/2024-25/12 Date: 08.01.2025									
Month - January									
S. No.	Location	Measured Values dB(A) Day time (6:00am to 10:00pm)			Norms In dB(A)	Measured Values dB(A) Night time (10:00pm to 6:00am)			Norms in dB(A)
		Min.	Max.	Avg.		Min.	Max.	Avg.	
A	Plant								
1	Kiln	60.4	68.1	64.3	75	55.1	62.8	58.9	70
2	Raw Mill	56.1	65.5	60.8		53.5	62.9	58.2	
3	Coal Mill	59.6	66.9	63.3		55.7	63.1	59.4	
4	Additive Crusher	58.4	65.1	61.7		53.7	60.3	57.0	
5	Primary Crusher	59.3	65.8	62.6		56.9	63.5	60.2	
6	Secondary Crusher	59.0	67.2	63.1		55.2	63.4	59.3	
C.	Residential								
1	Line II colony	37.6	39.5	38.6	55	33.0	36.8	34.9	45
 Analyzed by  Checked By  Verified By									

	STAR CEMENT LIMITED Lumshnong, Meghalaya				Reference No.	SCL/EHS/F-04
					Issue No.	1
	WATER TESTING REPORT				Date of Issue:	24.08.2013
					Revision No.	3
					Date of Rev.	01.06.2019

Reference No.: SCL/ENV/WATER/MONTHLY/2024-25/22

Date of sample collection: 01.01.2025

Date of Analysis: 01.01.2025 to 08.01.2025

Sl.No.	Parameter	Unit	STP Inlet	STP Outlet	Standard Norms For Discharge of Environment Pollution (Notification Date: - 19th May 1993) & Consent To Operate vide letter no. MPCB/TB-900 (Pt-II)/2014- 2015/34 - dated Shillong, the 3rd Sep,2014
1	pH	-	7.8	7.2	5.5 to 9.0
2	Colour	Hazen	Yellowish	Colourless	-
3	Odour	-	Odourless	Odourless	-
4	Chloride	mg/L	84.5	75.4	-
5	Total Hardness as CaCO ₃	mg/L	76.2	57.2	-
6	Suspended Solids	mg/L	98	52.2	100
7	Total Dissolve Solids	mg/L	349	315	-
8	Chemical Oxygen Demand	mg/L	221	50	250
9	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	51	20	30
10	Oil & Grease	mg/L	5.7	< 3.0	10
11	Temperature	° C	25	24	Shall not exceed 5.0°C above the receiving water temperature
12	Conductivity	µS/cm	542	428	-

Shailendra Kumar
Analysed By

K. Gaurav
Checked By


Verified By

	STAR CEMENT LIMITED Lumshnong, Meghalaya													Reference No.	SCL/EHS/F-04
														Issue No.	1
														Date of Issue:	24.08.2013
														Revision No.	3
WATER TESTING REPORT													Date of Rev.	01.06.2019	
Reference No.: SCL/ENV/WATER/MONTHLY/2024-25/22 Surface Water Analysis Results Date of sample collection: 01.01.2025 Date of Analysis: 01.01.2025 to 08.01.2025															
S.No.	Parameter	Unit	Umtyrngai Nallah		Umutha Nallah		Umso Nallah	Seshympa	Lunar	Lukha	Umbadoh	Tongseng	Lumshnong	Wahiajer	Standards norms as per IS 2296
			Up Stream	Down Stream	Up Stream	Down Stream	Down Stream								
1	pH	-	7.2	7.4	7.2	7.6	7.3	-	-	-	0.0	0.0	0.0	7.7	6.5 - 8.5
2	Colour	Hazen	Colourless	Colourless	Colourless	Colourless	Colourless	-	-	-	0.0	0.0	0.0	Yellowish	10
3	Odour	-	Unobjectionable												
4	Chloride	mg/L	28.2	30.5	32.6	30.9	33.1	-	-	-	0.0	0.0	0.0	23.6	250
5	Total Hardness as CaCO ₃	mg/L	60.9	65.3	77.5	76.9	80.1	-	-	-	0.0	0.0	0.0	56.1	300
6	Suspended Solids	mg/L	38..2	43.6	46.2	56.1	56.9	-	-	-	0.0	0.0	0.0	39.2	-
7	Total Dissolve Solids	mg/L	226.9	243.1	226.5	321.1	356.4	-	-	-	0.0	0.0	0.0	211.0	500
8	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	ND	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	2.0
9	Oil & Grease	mg/L	ND	ND	ND	ND	ND	-	-	-	ND	ND	ND	ND	-
10	Temperature	° C	19.2	18.9	19.3	17.9	19.1	-	-	-	0.0	0.0	0.0	19.4	-
11	Conductivity	µS/cm	196.2	201.2	296.5	342.1	361.2	-	-	-	0.0	0.0	0.0	365.2	-
12	Flow	L / Min	105.0	213.0	304.0	431.0	167.0	-	-	-	0.0	0.0	0.0	180.0	-
Shailendra Kumar Analyzed by K. Gaurav Checked by Amr: Verified by															

