

STAR CEMENT LIMITED

Ref: SCL/EHS/LUM/2024-25/18

Dated: 08/03/2025

To,

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

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

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

Thanking you,

Yours truly,

For **Star Cement Limited**

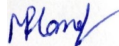


Laxmaiah Munjala
Unit Head

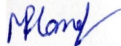
Enclosed: a/a

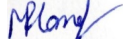
Copy To: The Regional Director, Central Pollution Control Board (CPCB), North Eastern Zonal Office, 'TUMSIR', Lower Motinagar, Shillong, Meghalaya-790314.

STAR CEMENT Solid Setting STAR CEMENT LIMITED Lumshnong, Meghalaya				
Date (DD-MM-YYYY)	Pressure (mmHg)	Relative Humidity (%)	Temp. (C)	Manual Rain (mm)
01-02-2025	717.9	77.9	22.5	0.0
02-02-2025	726.8	73.4	22.9	0.0
03-02-2025	724.1	77.5	24.8	0.0
04-02-2025	730.2	75.8	23.8	0.0
05-02-2025	727.5	75.6	24.1	0.0
06-02-2025	733.3	76.9	25.0	0.0
07-02-2025	727.9	75.7	24.5	0.0
08-02-2025	730.6	68.3	25.5	0.0
09-02-2025	732.6	68.5	24.0	0.0
10-02-2025	730.3	69.6	25.7	0.0
11-02-2025	728.3	72.8	24.9	0.0
12-02-2025	727.8	75.2	24.4	0.0
13-02-2025	731.2	74.7	26.0	0.0
14-02-2025	734.0	76.5	26.1	0.0
15-02-2025	734.2	76.7	24.7	0.0
16-02-2025	733.6	67.3	26.6	0.0
17-02-2025	732.0	68.4	24.5	0.0
18-02-2025	730.4	69.7	25.5	0.0
19-02-2025	728.0	65.8	25.2	0.0
20-02-2025	735.3	62.8	26.3	0.0
21-02-2025	735.8	63.2	25.9	0.0
22-02-2025	733.5	66.6	26.3	0.0
23-02-2025	825.1	70.4	25.3	0.0
24-02-2025	772.3	68.3	24.4	0.0
25-02-2025	777.8	71.0	26.7	0.0
26-02-2025	768.3	67.7	25.6	0.0
27-02-2025	769.2	70.6	26.6	0.0
28-02-2025	779.6	72.0	24.7	0.0
			Total	0.0

	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/2024-25/23			Month : February	
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)
03.02.2025	44.82	30.88	16.21	18.01
06.02.2025	47.37	32.77	16.27	16.17
10.02.2025	47.82	32.91	14.48	17.92
14.02.2025	45.42	30.89	14.27	16.54
17.02.2025	46.42	30.36	16.08	17.94
21.02.2025	44.90	33.20	14.93	15.51
24.02.2025	42.04	32.31	15.69	17.01
27.02.2025	40.03	30.86	16.24	15.82
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

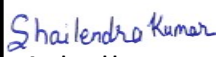
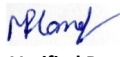
	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/23			Month : February	
Location of Sampling: Near Pump House		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)
03.02.2025	58.70	34.38	19.02	20.81
06.02.2025	57.52	35.67	20.04	21.14
10.02.2025	59.75	32.37	20.50	18.81
14.02.2025	54.92	36.43	19.95	21.74
17.02.2025	61.79	35.00	17.36	21.30
21.02.2025	60.65	33.13	15.68	22.16
24.02.2025	59.55	34.08	20.42	21.85
27.02.2025	57.64	33.16	19.51	18.09
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/2024-25/23			Month : February	
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)
03.02.2025	60.14	36.36	19.01	20.67
06.02.2025	56.21	37.02	19.05	20.91
10.02.2025	54.27	35.05	19.67	21.81
14.02.2025	59.28	34.10	18.98	19.88
17.02.2025	59.87	37.02	19.70	19.01
21.02.2025	56.68	37.77	17.75	20.65
24.02.2025	57.73	39.07	21.27	21.75
27.02.2025	60.69	39.10	20.34	20.21
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

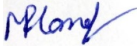
	STAR CEMENT LIMITED Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
			Date of Rev.	01.12.2020
Reference No.: Tongseng Village /2024-25/20			Month : February	
Location of Sampling: Tongseng Village		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)
07.02.2025	40.98	19.11	17.39	15.98
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

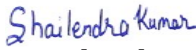
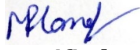
	STAR CEMENT LIMITED LINE II Lumshnong, Meghalaya		Reference No.	SCL/Env/F – 01
			Issue No.	1
			Date of Issue:	24.08.2013
	AMBIENT AIR QUALITY MONITORING REPORT		Revision No.	5
Date of Rev.			01.12.2020	
Reference No.: SCL/ENV/AAQM/MONTHLY/2024-25/23			Month : February	
Location of Sampling: Project 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)
04.02.2025	49.38	32.46	16.87	19.57
07.02.2025	55.11	33.10	15.62	20.83
11.02.2025	51.41	31.11	17.94	18.53
15.02.2025	50.00	33.29	16.80	18.77
18.02.2025	52.76	32.31	16.96	21.16
22.02.2025	54.89	30.39	16.05	16.65
25.02.2025	55.02	34.30	16.22	17.98
28.02.2025	53.95	31.08	15.45	19.30
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/2024-25/23			Month : February	
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)
04.02.2025	49.62	34.39	17.81	19.91
07.02.2025	55.35	35.03	15.17	21.17
11.02.2025	51.65	33.04	17.49	18.87
15.02.2025	50.24	35.22	14.42	19.11
18.02.2025	51.21	34.13	15.86	21.50
22.02.2025	53.34	32.21	15.64	17.17
25.02.2025	53.47	36.12	15.81	18.50
28.02.2025	52.40	29.90	15.04	19.82
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/2024-25/23			Month : February	
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)
04.02.2025	52.71	38.53	18.11	20.59
07.02.2025	58.54	39.41	19.13	21.62
11.02.2025	59.62	40.07	19.59	19.60
15.02.2025	60.44	38.40	19.04	18.53
18.02.2025	61.01	36.23	17.56	17.84
22.02.2025	58.79	38.09	15.62	18.70
25.02.2025	56.12	42.43	17.78	18.68
28.02.2025	59.01	36.76	16.87	16.59
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/2024-25/23						Month: February			
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	26-02-2025	27-02-2025	20-02-2025	28-02-2025	21-02-2025	22-02-2025	24-02-2025	25-02-2025
2	Ambient Temp (°C)	27	28	26	28	28	27	26	28
3	Stack Gas Temp (°C)	129	56	122	37	32	31	29	29
4	Exit Velocity of Gas (m/sec.)	17.66	14.26	10.21	14.76	12.58	12.23	13.55	12.74
5	Flow Rate (Nm ³ / sec.)	85.56	13.75	36.64	18.24	20.16	11.06	13.74	10.22
6	Quantity of Emission (Nm ³ / Hr)	315623.11	49728.41	162695.95	73324.12	73122.09	38721.53	50634.82	33231.49
7	Concentration of PM (mg/Nm ³)	15.2	23.6	19.9	20.2	25.1	23.4	18.6	21.5
8	Concentration of SO ₂ (mg/Nm ³)	468.3	-	-	-	-	-	-	-
9	Concentration of NO _x (mg/Nm ³)	398.7	-	-	-	-	-	-	-
10	Oxygen (O ₂) (%)	10.2	9.5	9.4	10.9	10.5	9.6	10.6	9.8
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/2024-25/23				
Month - February				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)		(in $\mu\text{g}/\text{m}^3$)
05.02.2025	Coal Storage Section	1359	2000	
05.02.2025	Limestone Storage Section	1526	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/2024-25/23				
Month - February				
Date	Location	Fugitive Emission Results	As per CPCB/BIS Guideline	
			Limit	
		(in $\mu\text{g}/\text{m}^3$)	(in $\mu\text{g}/\text{m}^3$)	
08.02.2025	Coal Storage Section	1471	2000	
08.02.2025	Limestone Storage Section	2095	5000	
 Analyzed By  Checked by  Verified By				

STAR CEMENT Solid Setting		STAR CEMENT LIMITED			Document No.			SCL/EHS/Env/F-03	
					Effective Date			01-05-2019	
					Revision No.			04	
		Lumshnong, Meghalaya			Revision Date			01-01-2021	
NOISE LEVEL MONITORING REPORT					Ref: SCL/ENV/NOISE/MONTHLY/2024-25/23				
					Date: 05.02.2025				
Month - February									
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	68.2	70.3	69.3	75	52.3	61.2	56.8	70
2	Raw Mill	55.6	69.5	62.6		46.3	58.2	52.3	
3	Raw Mill WF	54.1	72.3	63.2		52.3	56.8	54.6	
4	Coal Mill	52.6	70.2	61.4		50.2	54.9	52.6	
5	Cement Mill	65.9	72.9	69.4		64.8	67.9	66.4	
6	Cement Mill WF	66.1	69.0	67.6		63.9	65.8	64.9	
7	Primary Crusher (Dump Hopper)	58.2	69.5	63.9		52.9	55.9	54.4	
8	Primary Crusher (Near BC-1)	57.3	68.6	63.0		51.8	57.9	54.9	
9	Secondary Crusher	63.8	67.2	65.5		52.9	57.5	55.2	
B.	DG House								
1	Control Room	48.1	60.4	54.3	75	45.6	58.1	51.9	70
2	Office	52.3	54.6	53.5		44.3	48.5	46.4	
C.	Offices								
1	CCR	44.5	51.2	47.9	75	42.6	49.6	46.1	70
2	Meeting Room	42.9	49.1	46.0		41.2	48.5	44.9	
3	VP'S Room	40.2	45.9	43.1		40.1	44.3	42.2	
4	Inst. Shift Room	43.8	48.6	46.2		42.8	47.2	45.0	
5	Drawing Office	41.5	48.5	45.0		40.2	47.1	43.7	
6	QC Department								
	a) Chemical Lab	51.2	53.7	52.5		46.8	48.6	47.7	
	b) Physical Lab	55.2	60.4	57.8		48.9	53.2	51.1	
	c) Shift Lab	51.6	55.2	53.4		43.9	46.8	45.4	
	d) Sample Preparation Room	50.6	58.4	54.5		38.3	45.7	42.0	
D.	Residential								
1	Bachelor Hostel	37.9	46.2	42.1	55	36.5	42.7	39.6	45
2	HOD'S Quater's	34.8	43.9	39.4		32.9	42.1	37.5	
3	650 Quater's	45.5	48.9	47.2		32.6	40.5	36.6	
4	250 Quater's	40.9	43.2	42.1		35.9	39.5	37.7	
5	Hut	38.6	42.7	40.7		36.8	41.0	38.9	
E.	Dispensery	34.8	40.9	37.9		33.9	39.8	36.9	
Shailendra Kumar Analyzed by K. Gaurav Checked By M. Lang Verified By									

STAR CEMENT Solid Setting	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/2024-25/13						Date: 08.02.2025			
Month - February									
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	66.5	69.2	67.9	75	54.2	63.2	58.7	70
2	Raw Mill	59.3	67.5	63.4		53.9	62.1	58.0	
3	Coal Mill	58.3	67.2	62.8		56.2	63.4	59.8	
4	Additive Crusher	57.6	66.4	62.0		52.6	63.7	58.2	
5	Primary Crusher	56.8	69.1	63.0		55.7	63.1	59.4	
6	Secondary Crusher	57.2	69.5	63.4		54.9	64.9	59.9	
C.	Residential								
1	Line II colony	38.2	39.9	39.1	55	33.8	36.9	35.4	45
Shailendra Kumar ANALYZED BY Y. K. Jaiswal CHECKED BY M. B. Lang 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/2024-25/23

Date of sample collection: 01.02.2025

Date of Analysis: 01.02.2025 to 07.02.2025

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	-	7.6	7.1	5.5 to 9.0
2	Colour	Hazen	Yellowish	Colourless	-
3	Odour	-	Odourless	Odourless	-
4	Chloride	mg/L	83.2	74.1	-
5	Total Hardness as CaCO ₃	mg/L	86.2	59.2	-
6	Suspended Solids	mg/L	96	50.6	100
7	Total Dissolve Solids	mg/L	342	298	-
8	Chemical Oxygen Demand	mg/L	216	58	250
9	Biochemical Oxygen Demand (For 3 days at 27 °C)	mg/L	42	21	30
10	Oil & Grease	mg/L	5.9	< 3.0	10
11	Temperature	° C	27	25	Shall not exceed 5.0°C above the receiving water temperature
12	Conductivity	µS/cm	526	402	-

Shailendra Kumar
Analysed By

K. Gaurav
Checked By

M. Lang
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/2024-25/23															Date of sample collection: 01.02.2025	
Surface Water Analysis Results															Date of Analysis: 01.02.2025 to 07.02.2025	
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									Seasonal Spring / Seasonal Nallah
1	pH	-	7.3	7.2	7.2	7.3	7.2	-	-	-	0.0	0.0	0.0	7.6	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	28.9	31.1	32.2	30.2	32.9	-	-	-	0.0	0.0	0.0	24.5	250	
5	Total Hardness as CaCO ₃	mg/L	68.9	69.3	79.2	75.6	78.6	-	-	-	0.0	0.0	0.0	55.3	300	
6	Suspended Solids	mg/L	37.9	42.2	43.9	52.9	54.9	-	-	-	0.0	0.0	0.0	38.4	-	
7	Total Dissolve Solids	mg/L	259.6	284.2	249.8	368.5	329.3	-	-	-	0.0	0.0	0.0	225.4	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	22.9	24.9	22.5	21.5	20.6	-	-	-	0.0	0.0	0.0	20.8	-	
11	Conductivity	µS/cm	205.9	208.2	311.6	325.8	332.9	-	-	-	0.0	0.0	0.0	336.8	-	
12	Flow	L / Min	100.2	195.6	256.9	401.9	152.6	-	-	-	0.0	0.0	0.0	165.9	-	
Shailendra Kumar Analyzed by K. Gaurav Checked by M. Long Verified by																

STAR CEMENT Solid Setting	STAR CEMENT LIMITED LINE II 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(II)/ENV/WATER/MONTHLY/2024-25/23															Surface Water Analysis Results															Date of sample collection: 01.02.2025	
																														Date of Analysis: 01.02.2025 to 07.02.2025	
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				Seasonal Spring / Seasonal Nallah																				
1	pH	-	7.3	7.2	7.2	7.3	7.2	-	-	-	0.0	0.0	0.0	7.6	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	28.9	31.1	32.2	30.2	32.9	-	-	-	0.0	0.0	0.0	24.5	250																
5	Total Hardness as CaCO ₃	mg/L	68.9	69.3	79.2	75.6	78.6	-	-	-	0.0	0.0	0.0	55.3	300																
6	Suspended Solids	mg/L	37.9	42.2	43.9	52.9	54.9	-	-	-	0.0	0.0	0.0	38.4	-																
7	Total Dissolve Solids	mg/L	259.6	284.2	249.8	368.5	329.3	-	-	-	0.0	0.0	0.0	225.4	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	22.9	24.9	22.5	21.5	20.6	-	-	-	0.0	0.0	0.0	20.8	-																
11	Conductivity	µS/cm	205.9	208.2	311.6	325.8	332.9	-	-	-	0.0	0.0	0.0	336.8	-																
12	Flow	L / Min	100.2	195.6	256.9	401.9	152.6	-	-	-	0.0	0.0	0.0	165.9	-																
Shailendra Kumar Analyzed by K. Gaurav Checked by R. Bandyopadhyay Verified by																															