



YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY



Accredited by : NABL Accredited Testing Laboratory Vide Certificate No. TC -12989
 Registered by : Jharkhand State Pollution Control Board (JSPCB)
 Certified by : ISO 9001:2015 & ISO 45001:2018

Test Report

ULR (Unique Lab Report) No.	TC 1 2 9 8 9 2 5 0 0 0 0 0 2 7 8 0 F
Discipline	Chemical
Group	Atmospheric Pollution
Report Release Date	14th November, 2025
W. Order / JSPCB App. No.	Telephonic
Type of Industry (If any)	Stone Mine
Report Issue to	M/s Vidyarthi Stone Works At. - Mouza - Gadwa, Plot No. 63P, 72, 80, Block - Taljhari, Sahibganj, Jharkhand.
Sampling Period	10/11/2025 - 11/11/2025
Sampling Plan	YBAEEL/SP/Nov./12/2025
Sampling Locations	A. 25 mtr. away from working area near pillar no. - 08 B. 25 mtr. away from working area near pillar no. - 15 C. 25 mtr. away from working area near pillar no. - 25
Meteorological Cond. of Field	W.C. - Clear
Sample receipt Date	12/11/2025
	Analysis Started on 12/11/2025
	Analysis completed on 14/11/2025

*****Test Results*****

Parameters	Test Methods	Units	Sampling Location			Limits
			Site A	Site B	Site C	
Particulate matter (PM ₁₀)	IS:5182 (P-23) 2006, RA 2022	µg/m ³	84.4	88.9	82.6	100
Particulate matter (PM _{2.5})	IS:5182 (P-24) 2019	µg/m ³	32.3	36.5	30.7	60
Sulphure Dioxide (SO ₂)	IS:5182 (P-2/Sec1) 2023	µg/m ³	11.2	15.2	13.4	80
Nitrogen Dioxide (NO ₂)	IS:5182 (P-6) 2006 RA 2022	µg/m ³	18.4	20.3	17.7	80

Limit is specified as	Environmental (Protection) Rule - 1986.
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing areas as per IS 196:1966 (C).
Specific contractual notes	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility. This report, in full or in part, shall not be used for advertising or as evidence in any court of law. This report cannot be reproduced, except when in full, without the written permission of the CEO. The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise. The liability of the laboratory is limited to the invoiced amount. All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Samples comply with prescribed limits.

Sample Drawn By - Mukesh Singh
 Tested By - Akash Khalkho (Lab Analyst)

*sking
11/11/25*

Verified & Issued by
 Sanjeev Kumar Singh
 (Technical Manager)

Authorized Signatory
 Atmospheric Pollution
 Yugantar Bharati Analytical &
 Environmental Engineering Laboratory



Enquiry Office - Jamshedpur Dhanbad Hazaribag Pakur
 Main Office Cum Laboratory :- Plot No. 551, Khata No 62, Sidroul, P.O. Namkum, P.S. Namkum, Ranchi, Jharkhand
 Ph : 09835197960, 9304955304, Email - ybaeel@gmail.com, Web - <https://ybaeel.in>



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ISO 9001:2015 & ISO 45001:2018



TC-12989

Test Report

ULR (Unique Lab Report) No.		TC	1	2	9	8	9	2	5	0	0	0	0	0	2	7	8	1	F														
Discipline	Chemical	Group	Atmospheric Pollution				Sample Description						Ambient Noise																				
Report Release Date		14th November, 2025				Report ID				YBAEEL-2511-15																							
W. Order / JSPCB App. No.		Telephonic				Work Order Date				07.11.2025																							
Type of Industry (If any)		Stone Mine				Job code/ Ref. no.				YBAEEL/C/A/Nov. - 25/12																							
Report Issue to		M/s Vidyarthi Stone Works At. - Mouza - Gadwa, Plot No. 63P, 72, 80, Block - Taljahi, Sahibganj, Jharkhand.																															
Sampling Period		10/11/2025 - 11/11/2025			Mode of sample collection				By YBAEEL Team																								
Sampling Plan		YBAEEL/SP/November/12/2025			Sampling Method				IS 9989:1981 (RA 2020)																								
Meteorological Cond. of Field		W.C. - Clear			RH % - 54				Temp. - 24°C																								
Sample receipt Date		12/11/2025	Analysis Started on			12/11/2025	Analysis completed on				14/11/2025																						

*****Test Results*****

Sl.	Locations	Parameters	Units	Day Time (6.00 a.m. to 10.00 p.m.)	Night Time (10.00 p.m. to 6.00 a.m.)	Limits
1.	Pillar No. 08	Leq	dB (A)	56.7	38.9	Day - 75 Night - 70
2.	Pillar No. 15	Leq	dB (A)	53.3	37.3	
3.	Pillar No. 25	Leq	dB (A)	54.1	35.8	

• Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area which is declared as such by the competent authority.	Area	Unit	Day Time	Night time
Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.	A Industrial Area	dB (A)	75.0	70.0
dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale(A) which is relatable to human hearing.	B Commercial Area	dB (A)	65.0	55.0
	C Residential Area	dB (A)	55.0	45.0
	D Silence Zone	dB (A)	50.0	40.0

Limit is specified as	Noise pollution (Regulation & Control) Rules, 2000.
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature $27 \pm 2^\circ\text{C}$ and Relative Humidity $65 \pm 5\%$ in all testing areas as per IS 196:1966 (C).
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Remarks	Samples comply with prescribed limit.

Sample Drawn By - Mukesh Singh
Tested By - Akash Khalkho (Lab Analyst)

Verified & Issued by
Sanjeev Kumar Singh
(Technical Manager)

Authorized Signatory
Atmospheric Pollution
Yugantar Bharati Analytical &
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*****End of Report*****



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Test Report

ULR (Unique Lab Report) No.			TC	1	2	9	8	9	2	5	0	0	0	0	2	7	8	2	F	
Discipline	Chemical	Group	Water			Sample Description						Ground Water								
Report Release Date			14 th November, 2025			Report ID						YBAEEL-2511-15								
W. Order / JSPCB App. No.			Telephonic			Work Order Date						07.11.2025								
Type of Industry (If any)			Stone Mine			Job code/ Ref. no.						YBAEEL/C/W/Nov. - 25/09								
Report Issue to			M/s Vidyarthi Stone Works At. - Mouza - Gadwa, Plot No. 63P, 72, 80, Block - Taljhari, Sahibganj, Jharkhand.																	
Sampling Date		11/11/2025	Mode of sample collection			By YBAEEL Team			Sample Code			251112-GW-01								
Sampling Plan		YBAEEL/SP/November/12/2025			Sampling Method						IS -17614 (Part-1):2021									
Sampling Location		Dug Well			Sampling Source						Ground Water									
Sample pkg. Condition		Sealed Pack in PP Bottle			Sample Quantity						3000 ml									
Meteorological Cond. of Field		W.C. - Clear			RH % - 54						Temp. - 24°C									
Sample receipt Date		12/11/2025	Analysis Started on			12/11/2025	Analysis completed on			14/11/2025										

*****Test Results *****

Sl	Parameter	Test Method	Units	Results	Limits
1.	pH Value	IS 3025 (P-11):2022 (Electrometric Method)	pH	7.21 at 25.3°C	6.5-8.5
2.	Odour	IS 3025 (P-05):2018	--	Agree	Agreeable
3.	Taste	IS 3025 (P-08):2023	--	Agree	Agreeable
4.	Colour	IS 3025 (P-04):2021 (Visual Comparison Method)	Hazen	<5	5-15
5.	Turbidity	IS 3025 (P-10):2023 (Nephometric Method)	NTU	2.2	1-5
6.	Total Alkalinity (as CaCO ₃)	IS 3025 (P-23):1986, RA 2019 (Indicator Method)	mg/l	70.0	200-600
7.	Total Hardness (as CaCO ₃)	IS 3025 (P-21):2009, RA 2019 (EDTA Method)	mg/l	108.9	200-600
8.	Total Dissolved Solids	IS 3025 (P-16):2023 (Gravimetric Method)	mg/l	208.0	500-2000
9.	Chlorine Residual	IS 3025 (P-26):2021 (Iodometric Method)	mg/l	BDL (MDL 0.07)	0.2-1.0
10.	Chloride (as Cl)	IS 3025 (P-32):1988, RA 2019 (Argentometric Method)	mg/l	42.0	250-1000
11.	Fluoride (as F)	APHA 4500 F-C, 24 th edition 2023 (Ion Selective Electrode Method)	mg/l	0.38	1.0-1.5
12.	Nitrate (as NO ₃ - N)	IS 3025 (P-34) Sec-1:2023, (Nitrate Electrode Method)	mg/l	5.37	45-No relaxation
13.	Sulphate (as SO ₄ ²⁻)	IS 3025 (P-24-Sec-1) :2022 (Turbidity Method)	mg/l	18.38	200-400
14.	Calcium (as Ca)	IS 3025 (P-40) :1991, RA 2019 (EDTA Titrimetric Method)	mg/l	33.67	75-200
15.	Magnesium (as Mg)	APHA 3500 Mg B, 24 th edition 2023	mg/l	6.01	30-100

Limit is specified as	IS 10500:2012, RA 2018.
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
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Remarks	Sample complies with prescribed limits.

Sample Drawn By - Mukesh Singh
 Tested By - Sweta Kumari (Lab Analyst)

Sweta
11/11/2025
 Verified & Issued by
 Sanjeev Kumar Singh
 (Technical Manager)

Authorized Signatory
 Chemical Section
 Yugantar Bharati Analytical &
 Environmental Engineering Laboratory

