



# 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



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 0 F																	
Discipline	Chemical	Group	Atmospheric Pollution		Sample Description		Ambient Air Quality												
Report Release Date	14 <sup>th</sup> 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 - Taljahri, Sahibganj, Jharkhand.																		
Sampling Period	10/11/2025 - 11/11/2025			Mode of sample collection			By YBAEEL Team												
Sampling Plan	YBAEEL/SP/Nov./12/2025			Sampling Method		IS:5182 and CPCB Air Manual Volume-1(NAAQM/36/2012-13)													
Sampling Locations	A. 25 mtr. away from working area near pillar no. - 08			25°13'17"N, 87°43'27"E															
	B. 25 mtr. away from working area near pillar no. - 15			25°13'12"N, 87°43'25"E															
	C. 25 mtr. away from working area near pillar no. - 25			25°13'18"N, 87°43'27"E															
Meteorological Cond. of Field	W.C.- Clear			RH % - 54			Temp. - 24°C W.D.- North-South												
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 <sub>10</sub> )	IS:5182 (P-23) 2006, RA 2022	µg/m <sup>3</sup>	84.4	88.9	82.6	100
Particulate matter (PM <sub>2.5</sub> )	IS:5182 (P-24) 2019	µg/m <sup>3</sup>	32.3	36.5	30.7	60
Sulphure Dioxide (SO <sub>2</sub> )	IS:5182 (P-2/Sec1) 2023	µg/m <sup>3</sup>	11.2	15.2	13.4	80
Nitrogen Dioxide (NO <sub>2</sub> )	IS:5182 (P-6) 2006 RA 2022	µg/m <sup>3</sup>	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 ± 2°C and Relative Humidity 65 ± 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.
Remarks	All disputes are subjected to the Ranchi Jurisdiction.
	Samples comply with prescribed limits.

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

*Sanjeev Kumar Singh*  
 14/11/25

Verified & Issued by  
 Sanjeev Kumar Singh  
 (Technical Manager)

Authorized Signatory  
 Atmospheric Pollution  
 Yugantar Bharati Analytical &  
 Environmental Engineering Laboratory

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

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

ISO 9001:2015  
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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		14 <sup>th</sup> 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 - Taljahri, 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	

<ul style="list-style-type: none"><li>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.</li><li>Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority.</li><li>dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale(A) which is relatable to human hearing.</li></ul>	Area		Unit	Day Time	Night time
	A	Industrial Area	dB (A)	75.0	70.0
	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 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
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	The liability of the laboratory is limited to the invoiced amount.
Remarks	All disputes are subjected to the Ranchi Jurisdiction.
	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 &  
Environmental Engineering Laboratory

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

Enquiry Office - Jamshedpur Dhanbad Hazaribag Pakur

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### Test Report

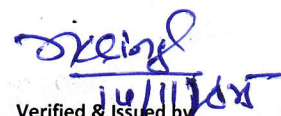
ULR (Unique Lab Report) No.				TC	1	2	9	8	9	2	5	0	0	0	0	0	2	7	8	2	F
Discipline	Chemical	Group	Water			Sample Description					Ground Water										
Report Release Date		14 <sup>th</sup> November, 2025					Report ID					YBAEEL-2511-15									
W. Order / JSPCB App. No.		Telephonic					Work Order Date					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 - Taljahri, 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 (Nephelometric Method)	NTU	2.2	1-5
6.	Total Alkalinity (as CaCO <sub>3</sub> )	IS 3025 (P-23):1986, RA 2019 (Indicator Method)	mg/l	70.0	200-600
7.	Total Hardness (as CaCO <sub>3</sub> )	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 <sup>th</sup> edition 2023 (Ion Selective Electrode Method)	mg/l	0.38	1.0-1.5
12.	Nitrate (as NO <sub>3</sub> -N)	IS 3025 (P-34) Sec-1:2023, (Nitrate Electrode Method)	mg/l	5.37	45-No relaxation
13.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	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 <sup>th</sup> 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.
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Remarks	Sample complies with prescribed limits.

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

  
Verified & Issued by  
Sanjeev Kumar Singh  
(Technical Manager)

Authorized Signatory  
Chemical Section  
Yugantar Bharati Analytical &  
Environmental Engineering Laboratory  
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\*\*\*\*\*End of Report\*\*\*\*\*

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