



# YUGANTAR BHARATI

## ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: - National Accreditation Board for Testing Laboratory (NABL) & Jharkhand State Pollution Control Board (JSPCB)  
Certified by: - An ISO 9001:2015 & BS OHSAS 18001 : 2007



Certificate No. - TC 7813

### ANALYTICAL TEST REPORT

<b>Water Test Report</b>		URL (Unique Lab Report) No.	TC7813203000055P
Date of Issue	21 <sup>st</sup> October, 2020	Report ID	YBAEEL-201017-114209-SW01
Sample Description	Surface Water	Job code / Ref. no.	YBAEEL/WA/L/C/Oct.-20/08
Type of Industries	Iron Ore Mines	Work Order No./ Date	Telephonic
Issued to: -	Mr. Anil Khirwal Sadar Bazar, Chaibasa, M/s Balaji Iron Ore Mine, Noamundi, Dist. - West Singhbhum, Jharkhand.		

Sampling date	17/10/2020	Mode of sample Collection	By YBAEEL Team
Sampling Protocol	IS : 3025 (Part-1) 1987, R-2003	Sample Code	201017 - SW - E01
Sampling Location	Betlata Nallah	Sampling Source	Surface Water
Sample pkg. Condition	Sealed Pack in PP Bottle	Sample Quantity	4000 ml
Meteorological cond.	W.C. - Partial cloudy	RH - 68 %	Temp. - 33 °C
Work allotted date	17/10/2020	Test started on	17/10/2020
		Test completed on	20/10/2020

#### Test Result

Sl	Parameter	Test Method	Units	Results	Limits
1.	pH value	IS 3025 (P-11):2002	pH	7.42	5.5-9.0
2.	Temperature*	IS 3025 (P-09):1984	°C	28.5	40
3.	Chloride (as Cl <sup>-</sup> )	IS 3025 (P-32):2003	mg/l	41.4	1000
4.	Total suspended solids	IS 3025 (P-17):2012	mg/l	48.0	100
5.	Total dissolved solids	IS 3025 (P-16):2006	mg/l	260.0	2100
6.	BOD	IS 3025 (P-44):2009	mg/l	4.4	30
7.	COD	IS 3025 (P-58):2006	mg/l	28.0	250
8.	Oil and grease	IS 3025 (P-39):2003	mg/l	28.0	10
9.	Sulphate (as SO <sub>4</sub> <sup>2-</sup> )	IS 3025 (P-24):2003	mg/l	52.9	1000
10.	Flow Rate*	NEERI - (Surface float method)	m <sup>3</sup> /s	22.86	--

\*\*\*\*\*End of Test\*\*\*\*\*

**Remarks** :- Samples Comply with the prescribed Specification as per IS: 2490:1974

**Note** : The parameters marked with \* are not accredited by NABL.

#### Specific contractual notes: -

- ◆ The results listed refer only to the tested sample and applicable parameter.
- ◆ 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 Lab In-charge
- ◆ The samples received shall be destroyed after two month from the date of issue of the certificate unless specified otherwise and sample for biological testing will be destroyed after one two week of testing.
- ◆ The liability of the laboratory is limited to the invoiced amount.
- ◆ All disputes are subjected to the Ranchi Jurisdiction.
- ◆ ND - not detected, DL - detectable limit

Tested by Prem Kumar Lab Analyst	Checked by Mukesh Kumar Authorized Signatory	Issued by Umesh Das Technical Manager

Authorized Signatory

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