



NABL TC-15304

**OTL CONSULTANCY SERVICE PRIVATE LIMITED****(Civil Engineering Consultancy Service)**

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All types of Material Testing, Sub Soil Exploration, NDT, PLT, PIT, Planning, Drawing, DPR (Highway)  
Roads, Bridge, Building & Architecture Design; Survey (DGPS, TS) PMC, 3<sup>rd</sup> Party Quality Control.

ULR No.

: OTL/HSCL/074F/25

Issue Date : 18-03-2025

**TEST REPORT**

- 1 Name of the Work / Project : Construction of Eklavya Model Residential School (EMRS Phase-II) at Samakhunta, In the District of Mayurbhanj, Odisha under the Ministry of Tribal Affairs, Govt. of India.
- 2 Name & Address of Client : Shri Sukanta Mandal (Site Engg.-Civil), Hindustan Steelworks Construction Ltd.(HSCL), GA Plot No-803, Shyamapur, Bharatpur, Bhubaneswar-751003, Odisha.
- 3 Name & Address of Agency : M/s Tribhuban Das.
- 4 Work Order Ref. No & Date : HSCL/BBSR/EMRS/Samakhunta Ph-II/2024-25/28A of Dt. 13-03-2025.
- 5 Lab ID / Sample ID : OTL/074F/25
- 6 Sample Description : Water (Source - Site Borewell) (Sealed pack of Sample Received)
- 7 Quantity of Sample Received : 01 Ltr sealed Water Container
- 8 Date of Sample Received : 14-03-2025
- 9 Date of Testing : 15-03-2025
- 10 Date of Completion : 17-03-2025
- 11 Method of Test as per Standards - IS-3025 (P-11, 17, 18, 22, 23, 24, 32)

Sl. No.	Test Parameter	Test Result	Requirement as per Standard Specification IS : 456 - 2000
			Permissible Limit
12.0	pH	7.09	Not less than 6.0
12.1	To neutralize 100 ml sample of Water using Phenolphthalein indicator, quantity of 0.02 normal NaOH required (IS 3025 - P22) (Limits of Acidity)	0.80	Max. 5.0 ml
12.2	To neutralize 100 ml sample of Water using Mixed indicator, quantity of 0.02 normal H <sub>2</sub> SO <sub>4</sub> required (IS 3025 - P23) (Limits of Alkalinity as CaCO <sub>3</sub> mg/l)	11.0	Max. 25.0 ml
12.3	Total Organic	31.30	Max. 200 mg/l
12.4	In-Organic Matter	20.35	Max. 3000 mg/l
12.5	Sulphates as SO <sub>3</sub>	16.72	Max. 400 mg/l
12.6	Chlorides as Cl	27.08	Max. 2000 mg/l for concrete not containing embedded steel & Max. 500 mg/l for reinforced concrete work
12.7	Total Suspended Solids-TSS	3.60	Max. 2000 mg/l

**Test Remark :-**

The above water sample is suitable for the construction work as per IS : 456 - 2000.

**Note :**

- \* Sample will be retained for one month.
- \* In case the sample is taken back, No further responsibility in case of any discrepancies.
- \* This report cannot be reproduced wholly or partly and can't be used as evidence any court of law or by any advertising media.
- \* Results refer only to the sample submitted for testing.
- \* Sample reference data Provided by Customer in letter.

*S. Panda*  
Tested By  
Subhadarsini Panda

.....End of the Report.....  
*R. R. Pradhan*  
Reviewed By  
Er. Rakesh Ranjan Pradhan

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" We grow through Quality "

*S. P. Sethi*  
OTL CONSULTANCY SERVICE PVT. LTD.  
AUTHORISED SIGNATORY  
ER. S.P. SETHI (CIVIL)  
TECH. MANAGER

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