



ନିର୍ବାହୀ ଇଞ୍ଜିନିୟରଙ୍କ କାର୍ଯ୍ୟାଳୟ  
ଗ୍ରାମ୍ୟ ଜଳ ଯୋଗାଣ ଓ ପରିସ୍ରାବ ବିଭାଗ, ଭାରତସୁଗୁଡା  
OFFICE OF THE EXECUTIVE ENGINEER  
RURAL WATER SUPPLY & SANITATION DIVISION  
JHARSUGUDA

Inside Collectorate Campus  
OMP Line, Jharsuguda-768204  
Phn- 06645 2702 9 (031)  
Fax-06645 270219  
Email- wssd.jharsuguda@gmail.com

Letter No. 1683 / Dated. 29.11.22

To,

The Principal  
E.M.R.S, Kirmira, Jharsuguda.

Sub: - Test report of Water Samples.

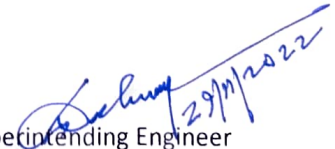
Ref:- Your letter No. 52 Dt. 24.11.2022

Sir,

With reference to the above cited letter and subject I am to send here with the test report of water samples tested in our District Water Testing Laboratory Jharsuguda for taking further necessary action at your end.

Encl Test Report 2 pages

Yours faithfully,

  
Superintending Engineer  
RWS&S Division, Jharsuguda

# DISTRICT WATER TESTING LABORATORY, RWS&S DIVISION, JHARSUGUDA

email. -labjharsuguda@gmail.com



## WATER ANALYSIS REPORT

**TEST REPORT NO.- DWTL- 142/2022**

**Dt.29.11.2022**

### Sample Particulars

### Details of Sampling

Name of the Customer :-	Office of the Principal E.M.R.S,Kirmira,Jharsuguda.	Type of Source:-	Tube Well
		Date of Sampling:-	Not mention
		Sample receive date:- Vide letter No.	24.11.2022
Sample Package Condition:-			
a) Quantity of Sample Received – 1000 ml each		Sampling Protocol:-	NA
b) Type of Container - Normal Bottle		Sample Collected by:-	Not Specified
		Sample Location:-	Office of the Principal E.M.R.S,Kirmira,Jharsuguda.

## TEST RESULT

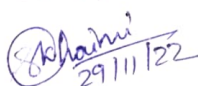
Test started on-		25.11.20222		Test completed on-		29.11.2022
Sl.	Test Parameters	Units	Results	Requirements IS 10500 : 2012		Test Method
				Acceptable Limit	Permissible Limit in absence of alternate source	
1	Temperature	°C	25.3°C			
2	Odour*	----	Agreeable	Agreeable	Agreeable	-----
3	Taste*	----	Agreeable	Agreeable	Agreeable	-----
4	pH at 25°C	pH Unit	6.03	6.5 to 8.5	No relaxation	APHA, 23rd Ed.2017-4500+B: 2017 Electrometric Method
5	Turbidity	NTU	0.29	1.0	5.0	APHA23rd Ed.2017-2130 B (Nephelometric Method): 2017
6	Elect. Conductivity	µmho/cm	175.7	---	----	APHA 23rd Ed.2017- 2510 B:: 2017 Electrometric Method
7	Total Dissolved Solids (TDS)	mg/l	114	500	2000	CALCULATION METHOD

8	Chloride	mg/l	22	250	1000	APHA23rd Ed.2017-4500 Cl B (Argentometric Method): 2017
9	Total Hardness (as CaCO <sub>3</sub> )	mg/l	44	200	600	APHA23rd Ed. 2017- 2340 C (Titrimetric Method): 2017
10	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	10	200	600	APHA23rd Ed. 2017 2320 B(Titration Method): 2017
11	Fluoride	mg/l	0.82	1.50	1.50	SPADNS Method
12	Total Iron	mg/l	0.037	1.0	No relaxation	APHA23rd Ed.2017- 3500 Fe B (Phenanthroline Method): 2017
13	Total Coliforms	MPN	-ve	No relaxation	No relaxation	H2s Strip

Results relates only to samples received in the Laboratory .

**#APHA – American Public Health Association**

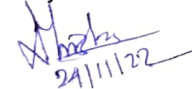
Tested By

  
29/11/22

Lab Chemist

District Water Testing Laboratory, Jharsuguda

Verified

  
29/11/22

\*\*\*\*\* END OF THE REPORT \*\*\*\*\*

# OFFICE OF THE RWS&S, SECTION, KIRMIRA

## SANITARY CERTIFICATE

**Name of the Institution** – Ekalavya Model Residential School, Kirmira (Boys – 150, Girls – 150)

### **A. Institution**

Present strength of the institution – 157

No of class room – 9

No of water filter – 3

No of urinals – Boys – 12

Girls – 12

No of basins – Boys – 12

Girls – 12

No of latrine – Boys – 12

Girls – 12

### **B. Hostel Building**

Present strength of institution – 157

No of hostel room – Boys – 10

Girls – 10

No of basins – Boys – 26

Girls – 26

No of bathroom – Boys – 34

Girls – 34

No of latrine – Boys – 33

Girls – 35

**C. No of water filter** – Boys – 01

Girls – 01

### **D. No of water sources**

Production well – 03

Above installation and infrastructure can fulfill the quires of the full strength i.e., up to 300 students.

Memo 14 /

date – 23-12-2022.

  
Assistant. Engineer RWS&S  
SECTION, KIRMIRA

Copy submitted to the principal Ekalavya Model Residential School, Kirmira for favour of kind information and necessary action.

  
Assistant Engineer