

ORIGINAL

State Research Laboratory, (SRL) Format No. SRL/PHED/BPL/4.1
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Test Report

Nature of sample :- Drinking Water Sample / Others		Not sampled by State Research Lab	Unique Identification No.	774	
To, MR. Asnani School Near Pebble bay, Bagmoghalla Katara Bhopal	Sender's letter no.		Sender's letter Date	5/03/2020	
	SRL Ref. No		188	SRL receipt date	5/03/2020
	Date of analysis started		5/03/2020	Date of analysis completed	9/03/2020
	Quantity Of sample		ok		

Sample details

No.	Particulars of Samples
1	R.O water sample
2	

RESULTS

No.	Characteristics	unit	test methods	BIS -10500:2012 Reaffirmed in Sep. 2018		Results	
				Desirable Limit	Permissible Limit	1	2
1	2	3	4	5	6	1	2
1	Temperature in	degree C	-	--	--	25.0	
2	Colour in	Hazen scale	-	5	15	0.0	
3*	Odour	-	-	Objectionable	Unobjectionable	Unobjectionable	
4	Iron as Fe	mg/l	APHA 23 rd edition, 3500-Fe B	1.0	1.0	0.1	
5*	Nitrate as NO ₃	mg/l	APHA 23 rd edition, 4500-NO ₃ -B	45	45	5.706	
6	Fluoride as F	mg/l	APHA 23 rd edition, 4500-F-C	1.0	1.5	0.10	
7	Chloride as Cl	mg/l	APHA 23 rd edition, 4500-Cl-B	250	1000	22.26	
8	Total Alkalinity as CaCO ₃	mg/l	APHA 23 rd edition, 2320 B	200	600	36.72	
9	Calcium as Ca ⁺⁺	mg/l	APHA 23 rd edition, 3500 Ca-B	75	200	5.54	
10	Magnesium as Mg ⁺⁺	mg/l	APHA 23 rd edition, 3500 Mg-	30	100	1.90	
11	Sulphate as SO ₄	mg/l	BIS:3025 (Part -24)	200	400	11.5	
12	pH	pH scale	APHA 23 rd edition 4500-H + B	6.5 to 8.5	6.5 to 8.5	7.112	
13	Turbidity in	NTU	APHA 23 rd edition, 2130 B	1.0	5.0	2.6	
14	Total hardness as CaCO ₃	mg/l	APHA 23 rd edition, 2340 C	200	600	21.78	
15	Conductivity at 25°C	micromhos /cm	APHA 23 rd edition, 2510 B	-	-	160.0	
16*	TDS By meter	mg/l	APHA 23 rd edition, 2510 B	500	2000	94.0	
17*	Manganese as	Mg/l	Mn APHA 23 rd edition 3500-mn-B	0.1	0.3	0.0	
18*	Phenolphthalein Alkalinity as CaCO ₃	mg/l	APHA 23 rd edition, 2320 B	-	-	-	
19*	ARSENIC By kit	mg/l		0.01	0.01	-	
20*	Faecal Coliform (TTC)	per 100 ml	APHA 23 rd edition, 9211 B	NIL		NIL	
21*	Total coliform	per 100 ml	APHA 23 rd edition, 9211 B	NIL for treated water and water in distribution system			

1. This report should not be produced partly or full without approval of signatory authority for legal purposes.
2. It is recommended that acceptable limit is to be implemented. Values in excess of those mentioned under "acceptable" render the water not suitable, but still may be tolerated in the absence of an alternative source but upto the limits indicated under the "permissible limit in the absence of alternate source" in column 4, above which the sources will have to be rejected.
3. The results refer only to tested samples and parameters tested
4. Samples will be stored for a period of 15 days from the date of issue of report. (For tests from S.No. 1 to 17)
5. This lab does not hold any responsibility for variation in results for samples kept on hold for want of clarification.
6. The tests marked with an * are not accredited by NABL.

Remarks: *10/10*
 Chemist

Chief Chemist
 STATE RESEARCH LABORATORY
 P. H. E. DEPARTMENT BHOPAL

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Alph
PRINCIPAL
ASNANI SCHOOL
 Katara, Baghmoghalla, Bhopal

