

Water analyses from the field sites

Samples were taken on February 8, 2013

Tejitu: Nalgonda

Bofo: Bone-char (BC) based filters – first filter contained BC and pellets (known as contact precipitation, CP)

	Bofo			Tejitu	
Content, mM	raw	after CP filter	after BC filter	raw	Nalgonda tank
pH	8.3		7.7		
Na	247	242	242	218	224
K	9.7	9.7	9.8	7.7	7.9
Mg	3.8	5.8	5.8	2.2	2.9
Ca	9.1	1.5	1.5	8.8	75.5
Al	0.005	0.001	0.002	0.003	0.041
Si	29.4	28.9	29.6	33.5	8.7
HCO ₃	121.32	107.96	113.3	98.2	78.76
Cl	44.5	43.0	42.7	47.9	49.4
SO ₄	0.73	3.21	3.21	2.60	328.01
PO ₄	0.16	42.6	44.1	<	<
NO ₃	0.36	0.93	1.08	1.00	0.42
Fluoride, mg/L					
ISE - OSHO	7.93	1.13	0.72	-	2.21
IC - Eawag	9.55	0.90	0.93	8.82	4.20
ISE - Eawag	9.83	0.96	1.02	9.23	3.99
ISE - AAU		0.7			

All samples were filtered prior to analysis

IC: Ion Chromatography

ISE: Ion-Selective Electrode

OSHO: Oromo Self-Help Organisation

AAU: Addis Ababa University