

(Annex A)
Terms of Reference (ToR)
Supply of Mineral Drinking Bottled Water to UNHCR Afghanistan

UNHCR is intending to establish Frame Agreement(s) with qualified suppliers for the supply and delivery of mineral drinking bottled water (19 liter, 1.5 liters and 500ml) for its offices in Afghanistan as per the below ToRs:

1. The technical specifications of the mineral drinking water would need to meet the WHO standards for drinking water as per the below table to be considered as technically compliant.
2. The Frame Agreement(s) holder is expected to supply the 19-liter drums free of rental cost to UNHCR.
3. UNHCR expects the Frame Agreement(s) holder to allow storage of (70) drums (19-liter) in UNHCR Country Office Kabul as contingency stock without the need to pay for these drums in advance.
4. By the end of the contract the empty (19-liter) drums will be returned to the supplier(s).
5. UNHCR expects the Frame Agreement(s) holder to provide general water cooler/dispenser maintenance service upon request by UNHCR.
6. Frame Agreement(s) holders are expected to provide water quality test result to UNHCR on quarterly basis.
7. UNHCR expects to sign a two (02) year Frame Agreement(s), extendable for an additional one (01) year period at the same terms and conditions subject to satisfactory evaluation of services (total of 3 years contract).
8. The below table reflects UNHCR estimate annual consumption of mineral drinking bottled water per office location:

No.	Office Location	Estimated Annual Consumption of 19 liters Drums	Estimated Annual Consumption of 500 ml Bottles	Estimated Annual Consumption of 1.5 Liters Bottles	Contingency Stock of 19 Liters Drums per Office
1	Country Office Kabul	4,000	24,000		70
2	Sub-Office Mazar-e-Sharif	1,080	14,400	3,600	20

3	Sub-Office Jalalabad	1,680	14,400	4,320	20
4	Sub-Office Kandahar		7,200		
5	Field Office Herat		8,640	1,800	
6	Field Unit Kunduz	700	6,000		10
7	Field Unit Bamyan	500	2,400		10
8	Field-Office Gardez	420	2,400		15

	PARAMETER	UNIT	Test Result	WHO Standards for Drinking Water
1	PHYSICAL/AESTHETIC			
1.1	Aluminum	mg/l		0.05-0.2
1.2	Chloride	mg/l		<250
1.3	Color	TCU		<15
1.4	Copper	mg/l		<2
1.5	Hardness	mg/l		<75
1.6	Iron	mg/l		<0.3
1.7	Odor	OTN		-
1.8	pH	No		6.5 – 8.5
1.9	Sodium	mg/l		<200
1.10	Sulphate	mg/l		<250
1.11	Taste	-		Inoffensive
1.12	Temperature	°C		-
1.13	Total Dissolved Solids	mg/l		50-150
1.14	Total Suspended Solids	mg/l		-
1.15	Turbidity	NTU		1
1.16	Zinc	mg/l		3–5 mg/l
2	MICROBIOLOGICAL			
2.1	Total Coliforms	#/100ml		Absent
2.3	Faecal Coliforms	#/100ml		Absent
3	INORGANIC			
3.1	Arsenic	mg/l		0.01
3.2	Cyanide	mg/l		0.2-0.5
3.3	Cadmium	mg/l		0.003
3.4	Calcium	mg/l		<75
3.5	Chromium	mg/l		0.05
3.6	Fluoride	mg/l		0.5-1.5
3.7	Lead	mg/l		0.01
3.8	Magnesium	mg/l		0.1
3.9	Mercury	mg/l		0.002-0.006
3.10	Nitrite	mg/l		1.0
3.11	Nitrates	mg/l		10
3.12	Silver	mg/l		0.05
3.13	Selenium	mg/l		0.04
3.14	Free chlorine	mg/l		0.2 - 1

End